



United States
Department of
Agriculture

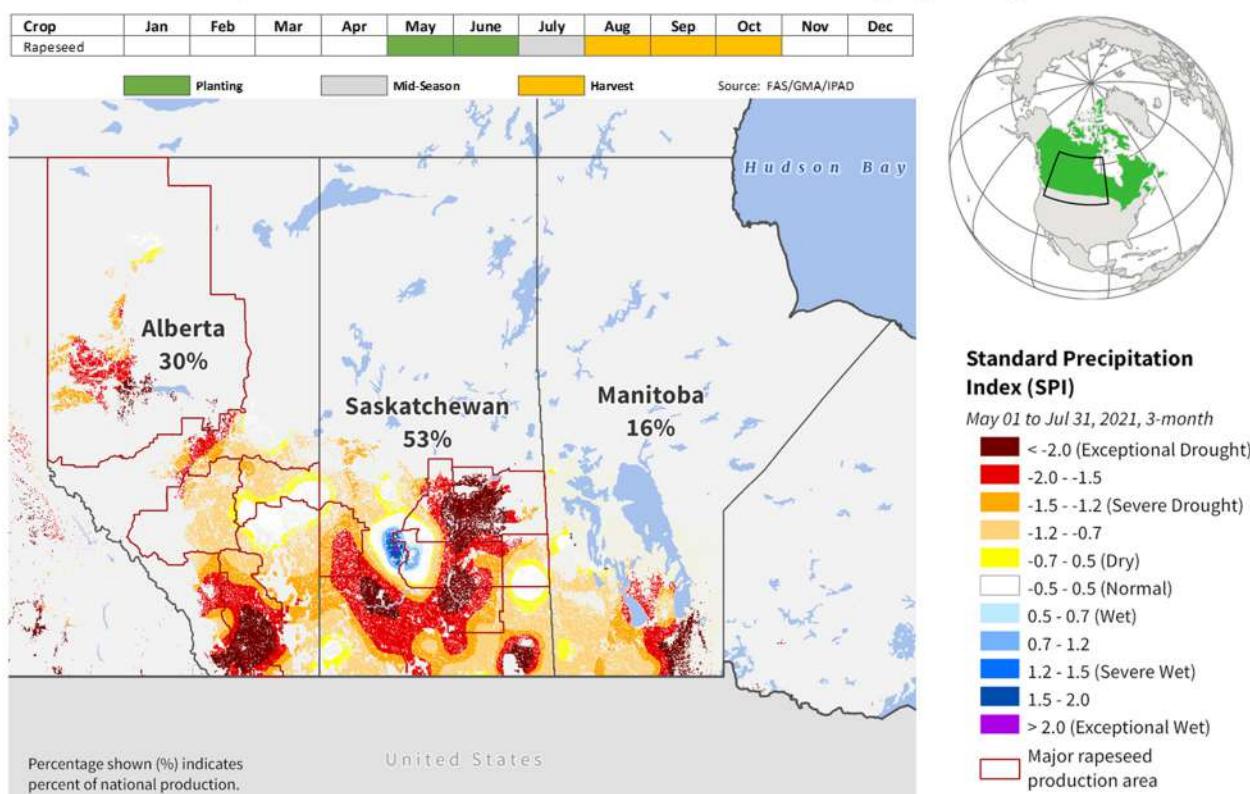
Foreign
Agricultural
Service

Circular Series
WAP 8-21
August 2021

World Agricultural Production

Canada Rapeseed: Area and Production Revised Down as Drought in the Prairies Intensifies

Rapeseed Areas in the Canadian Prairies: Intensifying Drought



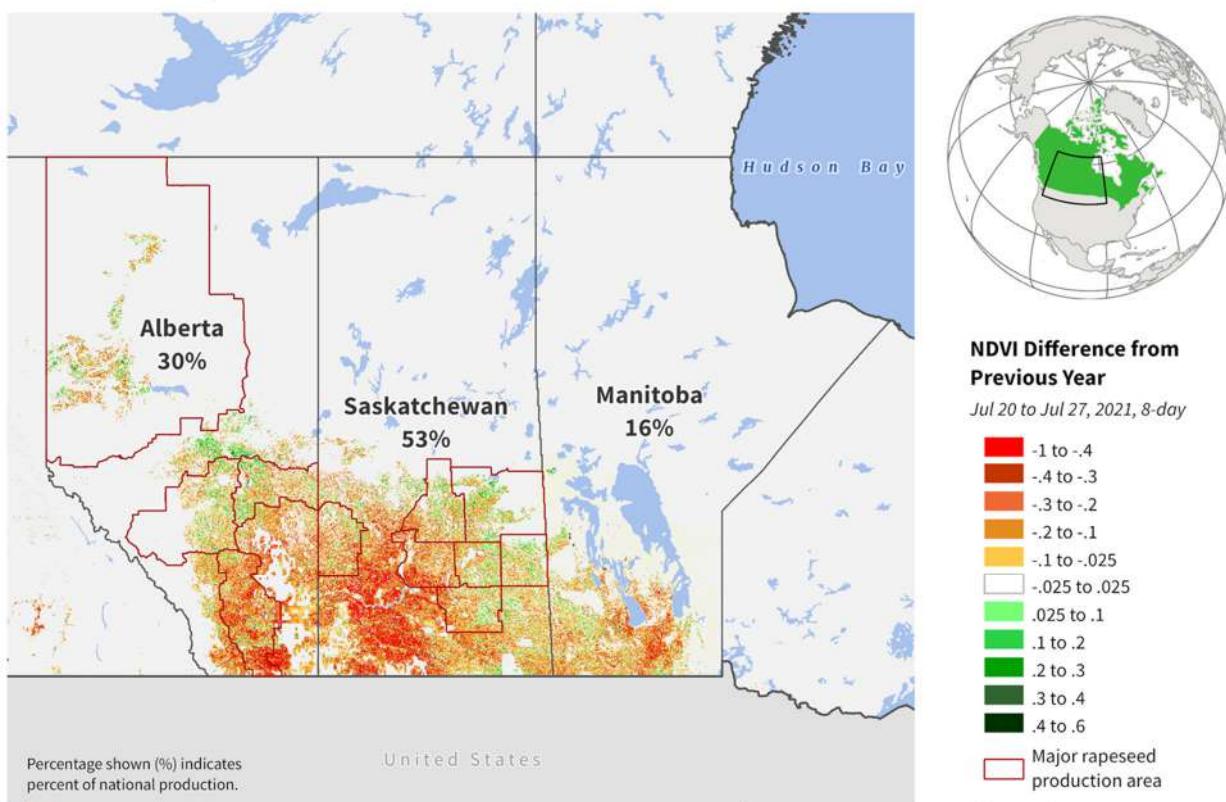
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Sources: NOAA CPC, 3-Month Standard Precipitation Index (SPI); Statistics Canada, Estimated Production by Small Area Data (SAD) Region; AAFC, Annual Crop Inventory 2018; IFPRI SPAM 2010, Total Rapeseed Production

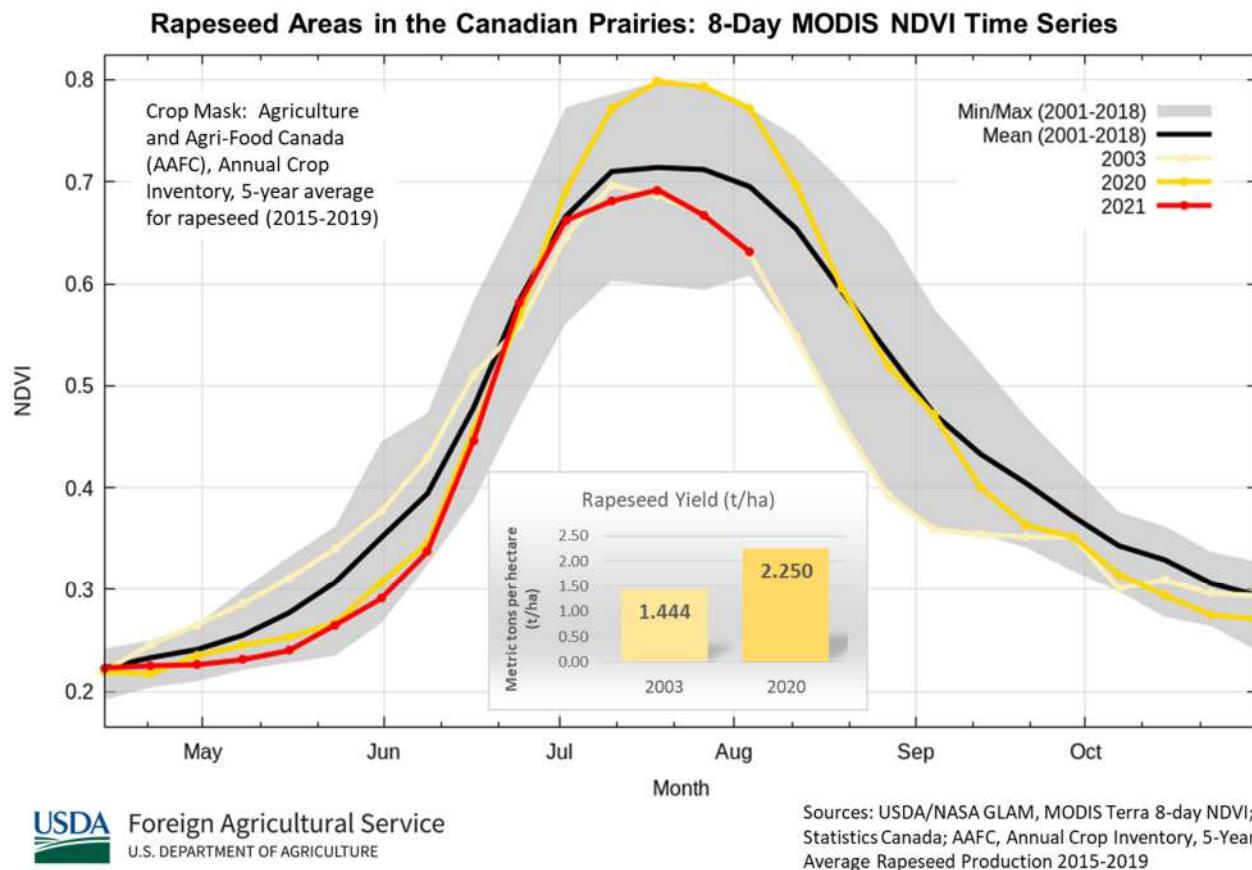
USDA estimates Canada rapeseed production for marketing year 2021/22 at 16.0 million metric tons (mmt), down 4.2 mmt (21 percent) from last month, 3.0 mmt (16 percent) from last year, and 20 percent below the 5-year average. Harvested area is estimated at 8.7 million hectares, down 3 percent from last month, but 4 percent above last year, and roughly equivalent to the 5-year average. The month-to-month decrease in area is due to the expectation of weather-related abandonment with prospects for hay being the best use. Yield is estimated at 1.84 metric tons per hectare, down 18 percent from last month and 20 percent below the 5-year average.

Approved by the World Agricultural Outlook Board

Rapeseed Areas in the Canadian Prairies: NDVI Difference from 2020



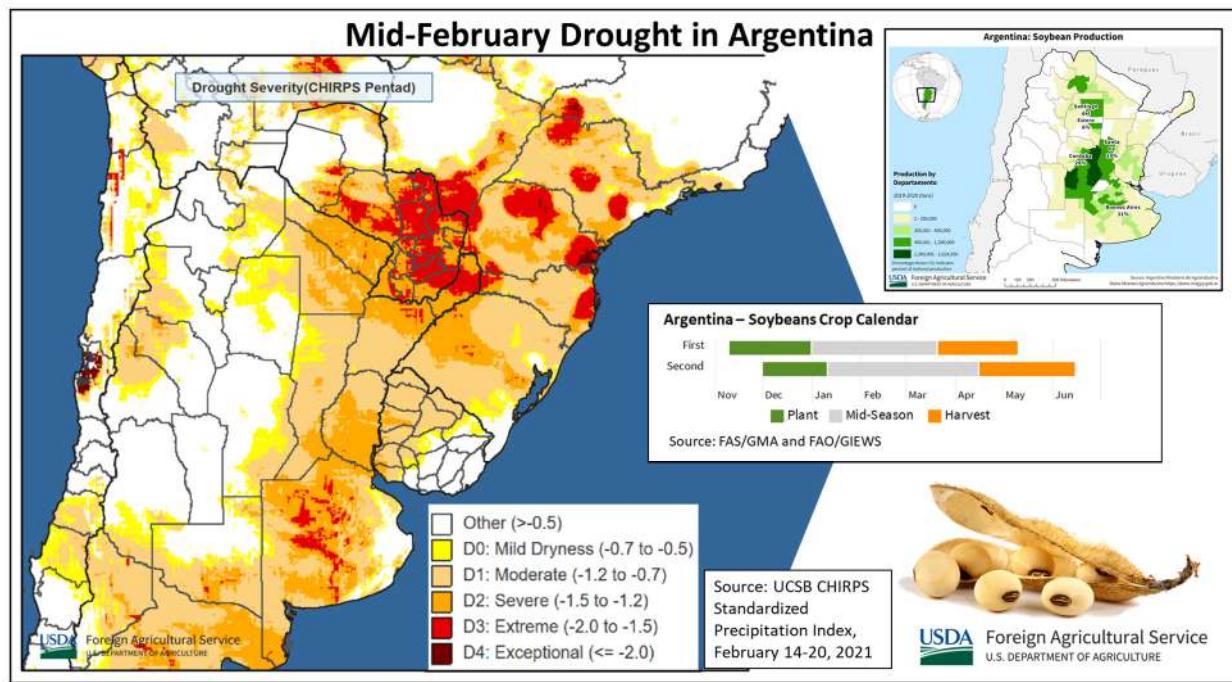
The devastating drought in the Canadian Prairies continued through July, degrading the vegetation health of the rapeseed crop across the region. Imagery analysis was conducted using the satellite-derived Normalized Difference Vegetation Index (NDVI). NDVI observations respond to changes in vegetation vigor caused by extreme temperature and precipitation. The most-recent NDVI indicates crop conditions have deteriorated substantially under the above-normal temperatures and below normal precipitation that has enveloped the region over the summer. The NDVI time series shows crop conditions are well-below average, approaching those not seen since 2003. The time series graph also highlights the effects of dry conditions that have persisted throughout the growing season. A below-normal NDVI response also occurred in May and June, as crops emerged from drier soils, the result of lighter-than-normal snowfall over winter and below-normal precipitation extending back to the fall of 2020.



Provincial reporting also notes a severely degraded crop, particularly in Alberta and Saskatchewan, where respectively, 17 and 14 percent of spring wheat has been rated as good-to-excellent (as opposed to last year's late-July ratings of 82 and 84 percent, respectively). Early crop maturation, uneven development, stunted plants, and empty or missing pods are common. Combined, these provinces account for 83 percent of Canada's rapeseed production. Farmers in the region are now reporting that the window for yield improvement has closed, and that any rainfall received going forward will only serve to aid next year's crop. (*For more information, please contact Aaron.Mulhollen@usda.gov.*)

Argentina Soybeans: Harvest Completed for the MY 2020/21 Season

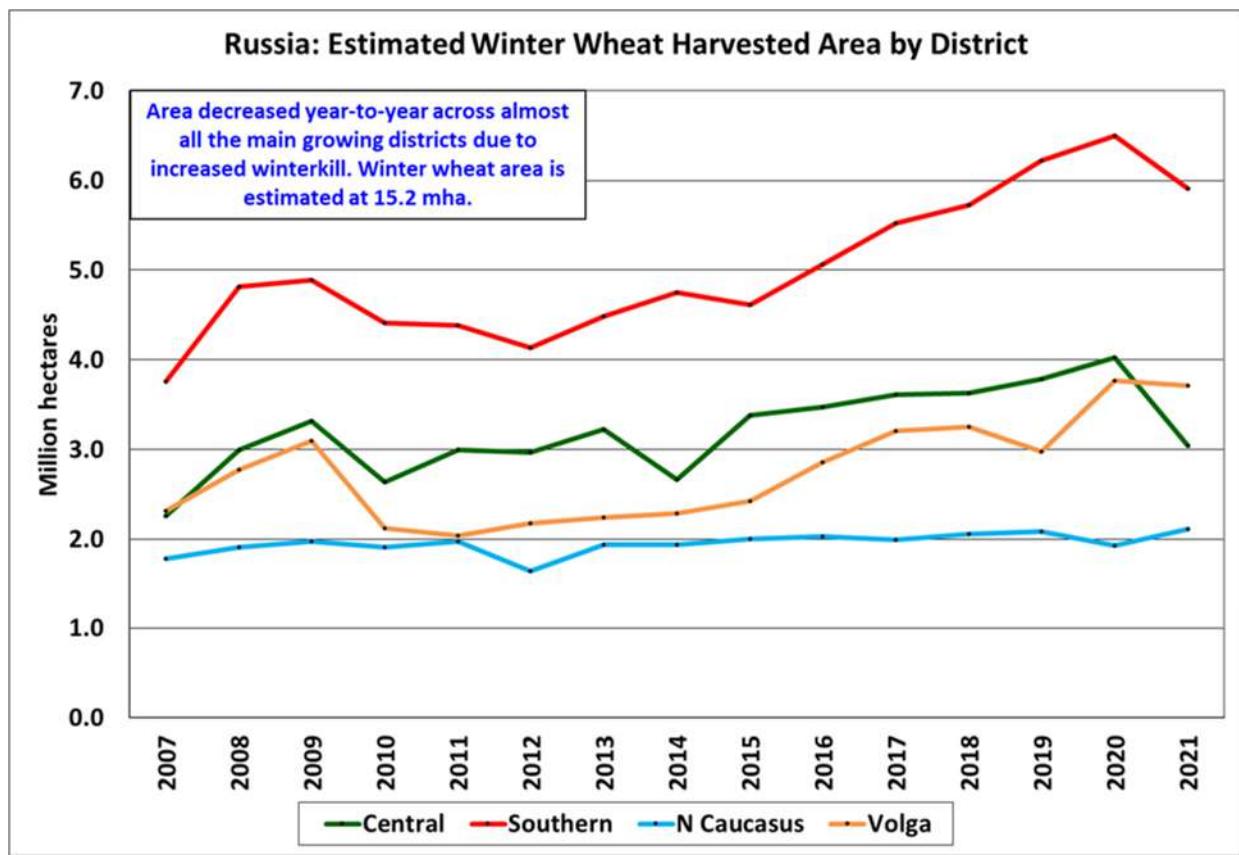
USDA estimates Argentina soybean production for marketing year (MY) 2020/21 at 46.0 million metric tons, down 1 percent from last month and 6 percent from last year. Area is estimated at 16.6 million hectares, the same as last month, but down less than 1 percent from last year. Yield is estimated at 2.77 tons per hectare, down 1 percent from last month and 5 percent from last year.



Harvest was slightly slower this season than last, according to the Argentina Ministry of Agriculture. Yields this season varied based on an unequal distribution of rainfall throughout the crop cycle. Dryness prevailed during February and March in most regions. The last of the crop to be harvested was cut in the provinces of Buenos Aires and La Pampa, where yields were quite variable. Yields in portions of Entre Ríos were much lower than the 5-year average yield due to low soil moisture availability during much of the season. Average yields in the northern portion of the country tended to be just lower than historical averages. Rains in mid-March to early April helped the crop, particularly around Buenos Aires and La Pampa. First-crop soybeans did better than second-crop soybeans, not only due to the longer season but also due to better yields as conditions during flowering and pollination were less stressful on first-crop soybeans than the later flowering second-crop soybeans. (For more information, please contact Denise.McWilliams@usda.gov.)

Russia Wheat: Winter Production Down, Spring Production Up

Russia wheat production for marketing year 2021/21 is estimated at 72.5 million metric tons (mmt), down 15 percent from last month and last year. The estimate includes 50.5 mmt of winter wheat and 22.0 mmt of spring wheat. USDA crop production estimates for Russia exclude estimated output from Crimea. Total wheat yield is estimated at 2.59 tons per hectare, down 12 percent from last month and down 13 percent from last year. Total harvested area is estimated at 28.0 million hectares, down 3 percent from last month and 2 percent from last year.

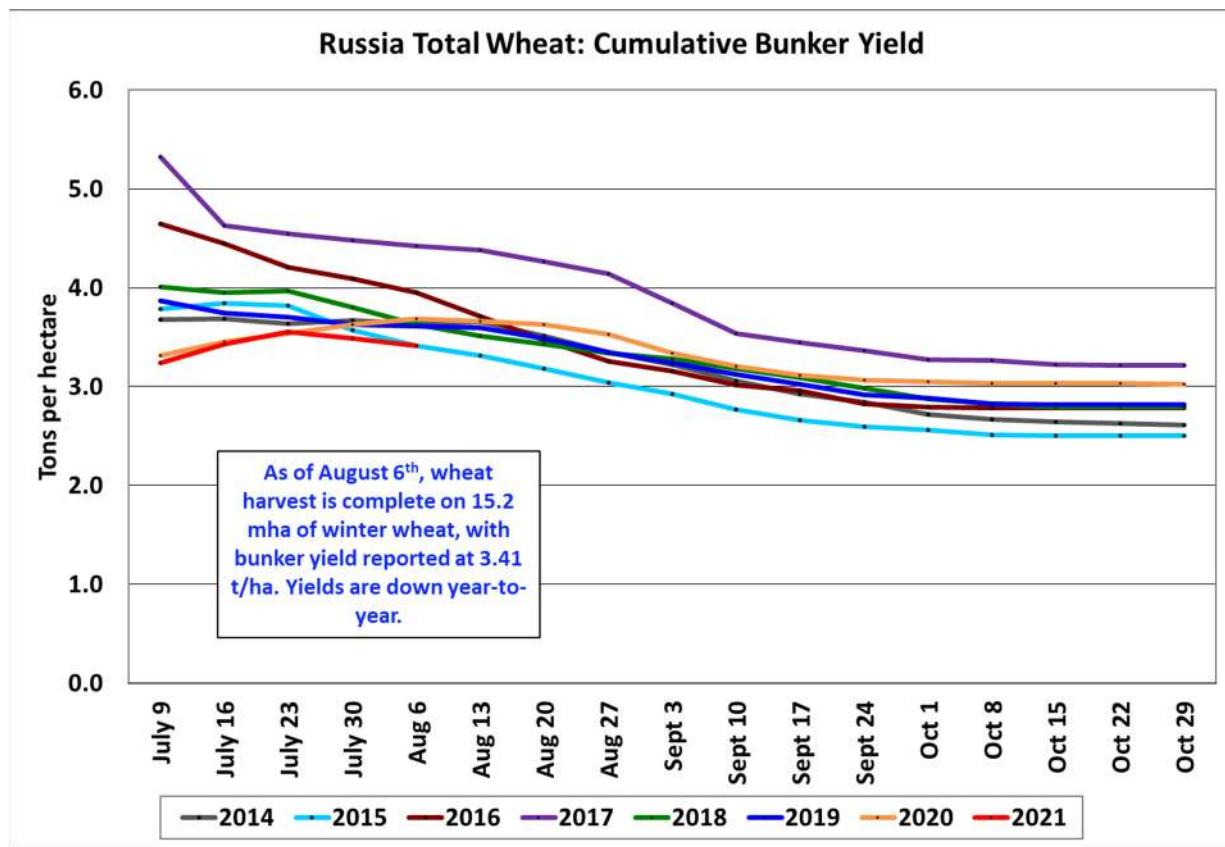


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Source: Rosstat (2007-2021)

Winter wheat area was revised down month-to-month and spring wheat area was revised up month-to-month based on updated planted area data published by Rosstat, Russia's statistical agency. The decrease in winter wheat area is largely due to an ice crusting event that occurred throughout February and March. The damage to the winter wheat was caused by the thawing and refreezing of water in the snowpack or in the top layer of the soil. As a result of the loss of winter crops, spring planted crops increased, including spring wheat.

Ice crusting led to decreased yields for winter wheat, according to the Russian Ministry of Agriculture's harvest results. Typically yields decrease throughout harvest, which begins in the higher yielding southern regions and then moves north into the lower yielding regions. In the last two years, however, yields have increased before stabilizing (last year due to drought in the southern growing regions and this year due to damage from the ice crusting event).



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Source: Russian Ministry of Agriculture

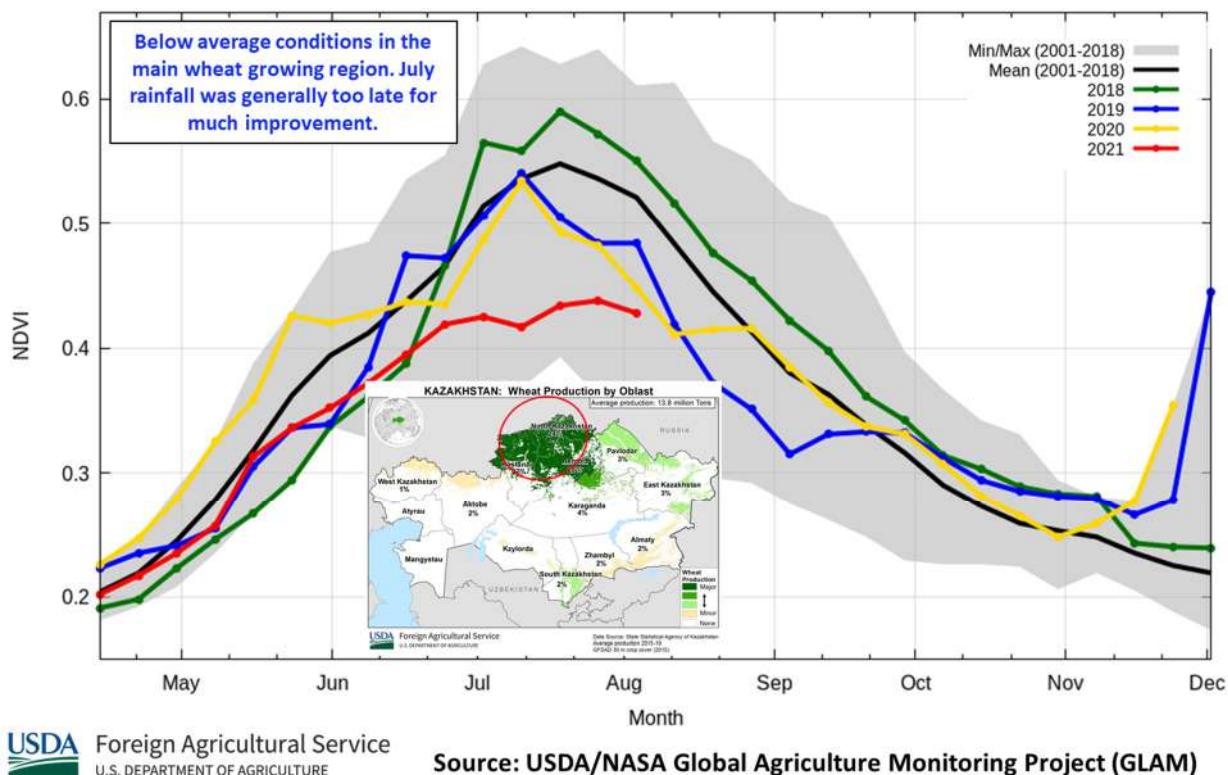
Total spring wheat yield, on the other hand, was revised up relative to last month based on the recovery from heat and dryness, specifically in the Siberian District. While crop conditions in the Volga and Ural Districts have deteriorated due to the heat and dryness, Siberia crop conditions have remained above average. Additionally, official data from Rosstat show more area was planted in the Central District, which is a higher yielding area, thus pushing national spring wheat yields higher. Harvest of spring wheat will begin in late August.

Area, yield, and production estimates for Russia winter wheat and spring wheat are available on PSD Online. Select “Downloadable Data Sets” and open the zipped file for “Russia Wheat; Winter/Spring Area & Production” (For more information, please contact Katie.McGaughey@usda.gov.)

Kazakhstan Wheat: Intense Heat in the Spring Wheat Oblasts Drops Yields

Kazakhstan wheat production for marketing year 2021/22 is forecast at 12.5 million metric tons (mmt), down 4 percent from last month and down 12 percent from last year. Yield is forecast at 0.98 tons per hectare, down 9 percent from last month and down 17 percent from last year. Harvested area is estimated at 12.7 million hectares, up 6 percent from last month and up 5 percent from last year.

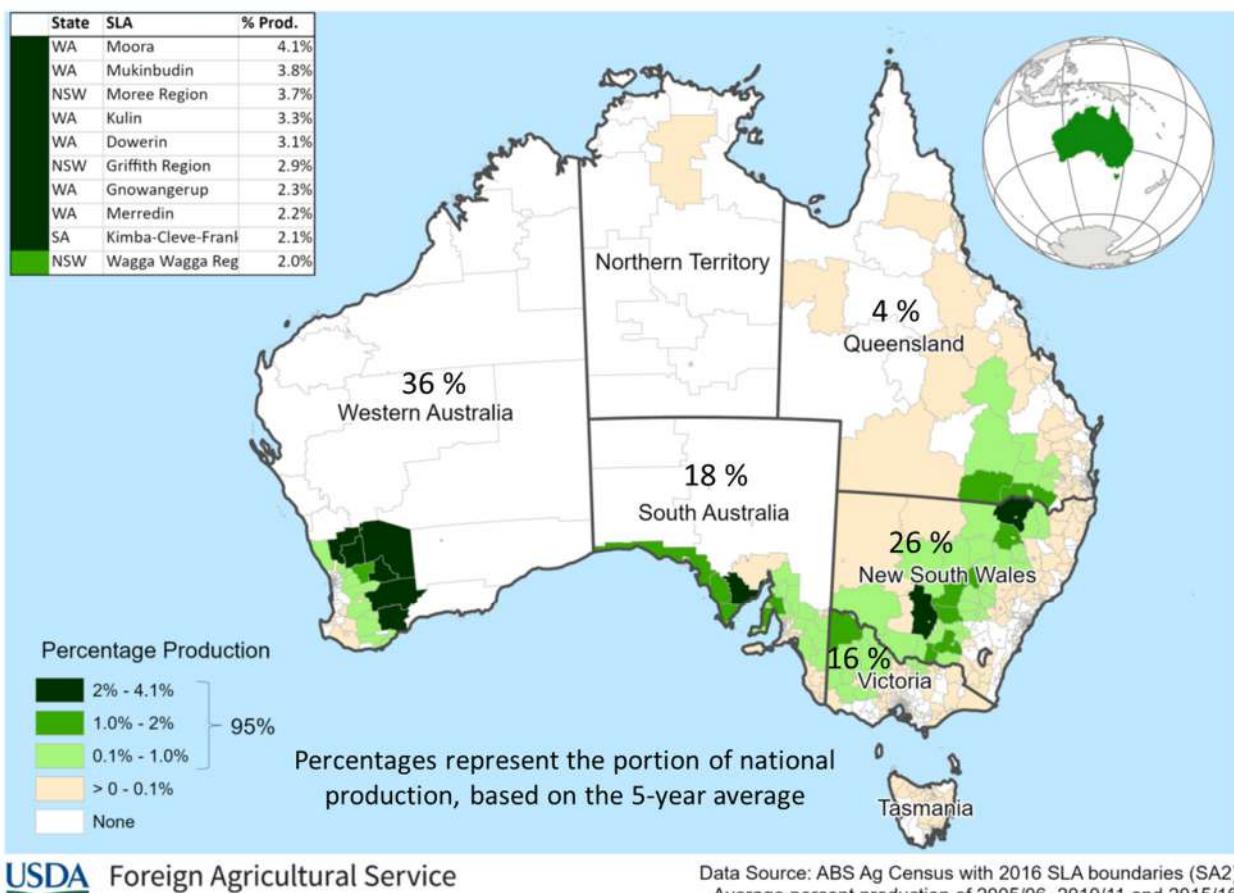
North Kazakhstan, Akmola and Kostanai NDVI



Harvested area was revised up due to information from Kazakhstan's statistical agency on final sown area. Kazakhstan wheat is grown mostly in North Kazakhstan, Akmola and Kostanai (19, 31, and 28 percent of area, respectively, based on the latest planting report). The month-to-month decrease in yield is driven by the declining crop conditions as seen in the satellite-derived Normalized Difference Vegetation Index (NDVI). The NDVI highlights significantly below-average conditions in North Kazakhstan, Akmola, and Kostanai, where conditions were hot and dry during key crop stages at the end of June through July. The scattered rainfall that occurred in July was generally too late for crop condition improvement, while heat and dryness returned to the region in early August. Harvest will begin in September. (*For more information, please contact Katie.McGaughey@usda.gov.*)

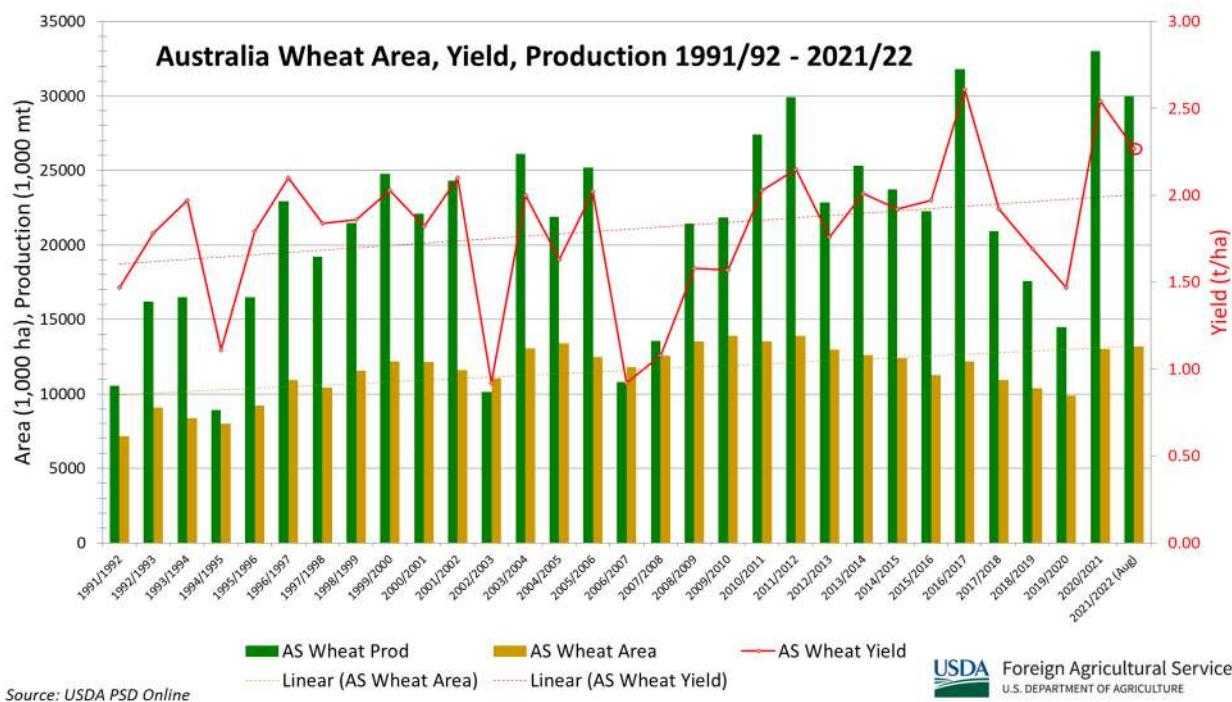
Australia Wheat: Production Revised Higher

Australia: Wheat Production

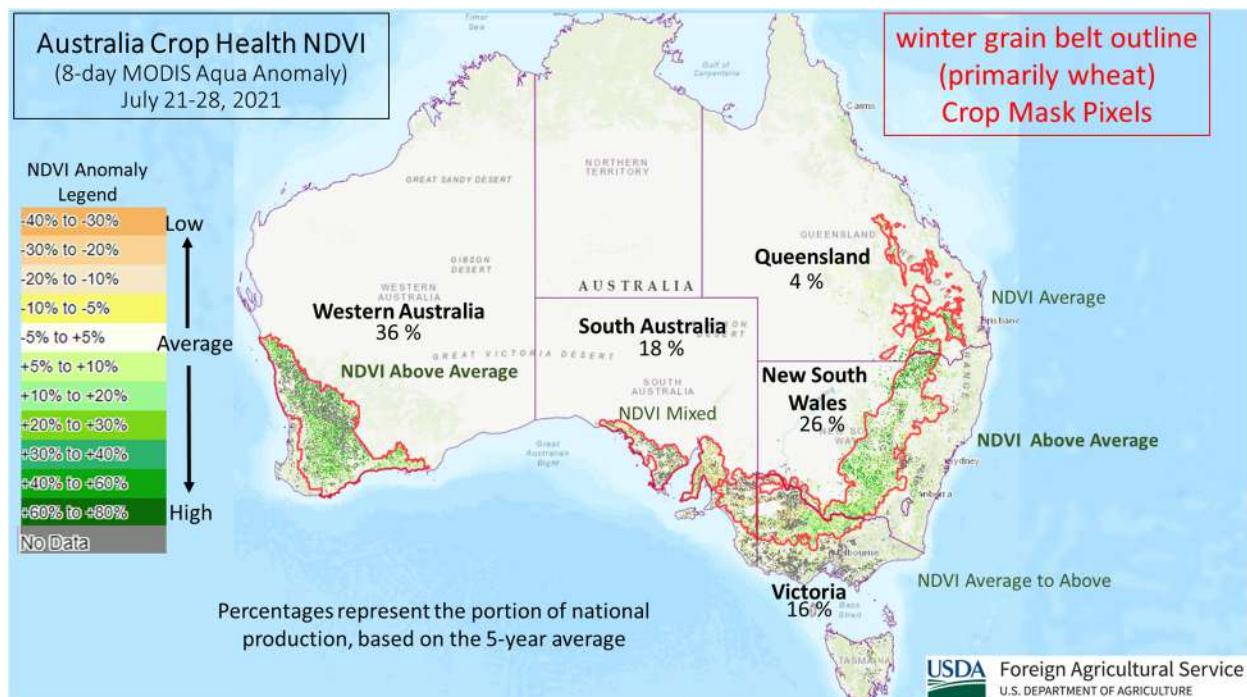


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USDA forecasts Australia marketing year (MY) 2021/22 wheat production at 30.0 million metric tons (mmt), up 1.5 mmt or 5 percent from last month, but down 3.0 mmt or 9 percent from last year's record. Harvested area is estimated at 13.2 million hectares (mha), up 0.1 mha from last month, and up 0.2 mha or 2 percent from last year. Yield is forecast at 2.27 tons per hectare (t/ha), up 4 percent from last month, but down 11 percent from last year.

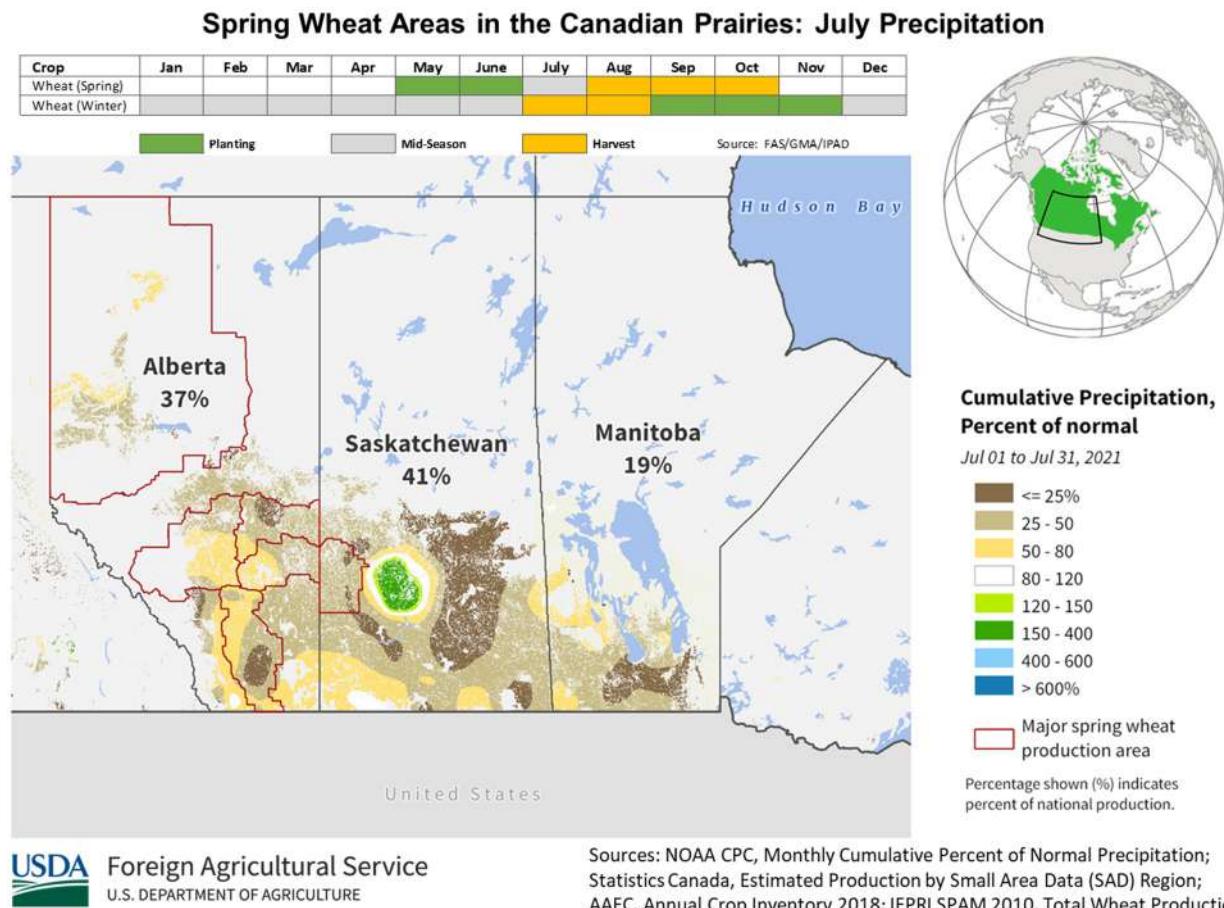


The wheat area estimate for MY 2021/22 is supported by the high world wheat prices, and favorable seasonal conditions across much of the grain growing regions of Australia. Yield potential remains above average, particularly in the two largest producing states of Western Australia (36 percent) and New South Wales (26 percent).



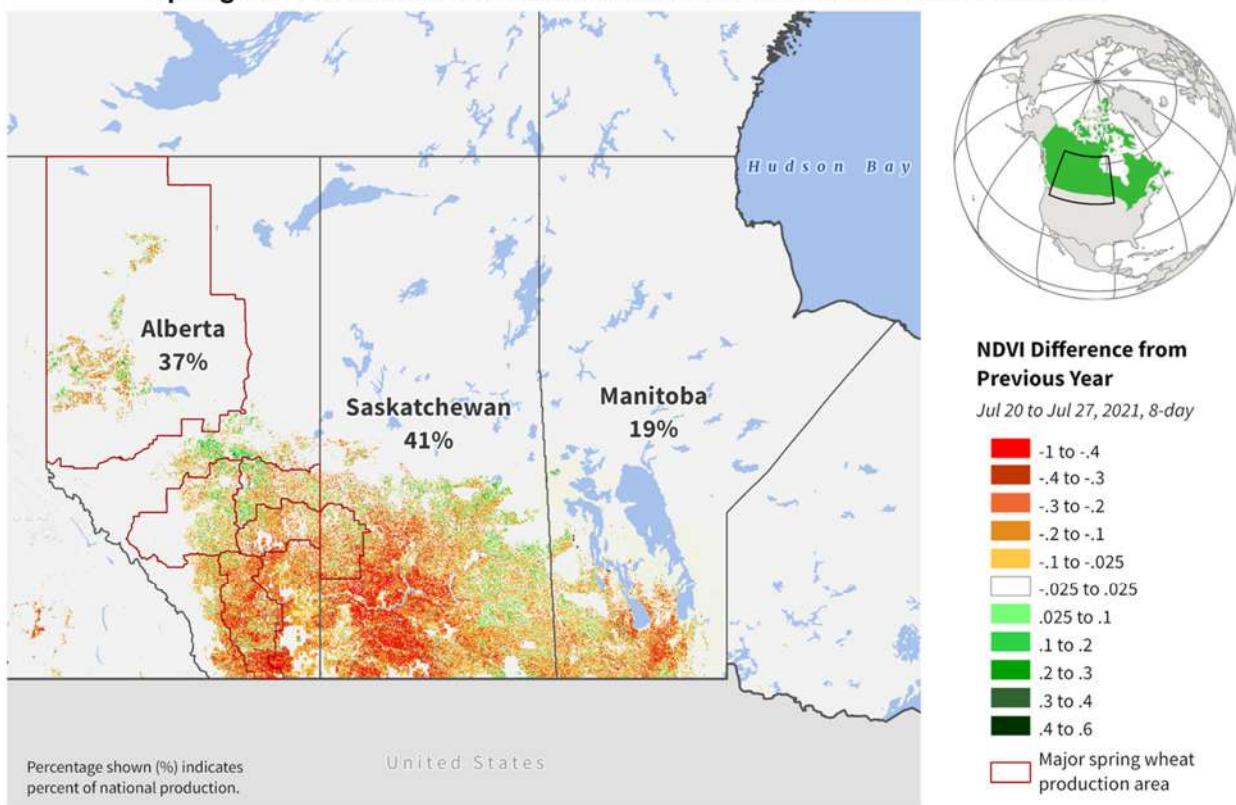
Abundant precipitation since sowing has benefited crop establishment. The recent satellite-derived Normalized Difference Vegetation Index (NDVI) depicts strong crop vigor, especially in the wheat belt of New South Wales and Western Australia. (*For more information, please contact James.Crutchfield@usda.gov.*)

Canada Wheat: Production and Yield Revised Down 24 Percent Due to Drought



USDA estimates Canada wheat production for marketing year (MY) 2021/22 at 24.0 million metric tons (mmt), down 7.5 mmt (24 percent) from last month, 11.2 mmt (32 percent) from last year, and 26 percent below the 5-year average. Harvested area is estimated at 9.2 million hectares, unchanged from last month, but 8 percent below last year, and 3 percent below the 5-year average. Yield is estimated at 2.61 metric tons per hectare, down 24 percent from last month and the 5-year average.

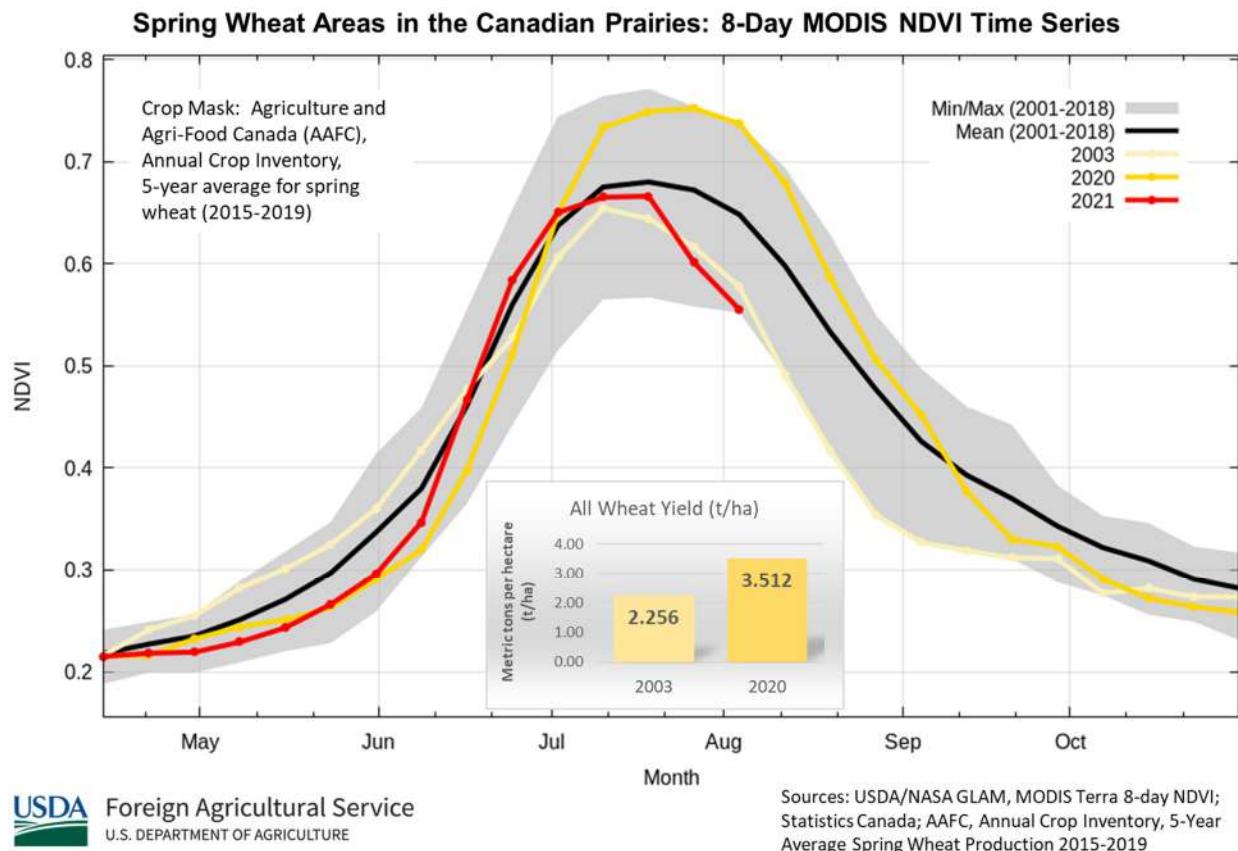
Spring Wheat Areas in the Canadian Prairies: NDVI Difference from 2020



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Sources: USDA/NASA, MODIS 8-Day NDVI Difference from 2020; Statistics Canada, Estimated Production by Small Area Data (SAD) Region; AAFC, Annual Crop Inventory 2018; IFPRI SPAM 2010, Total Wheat Production

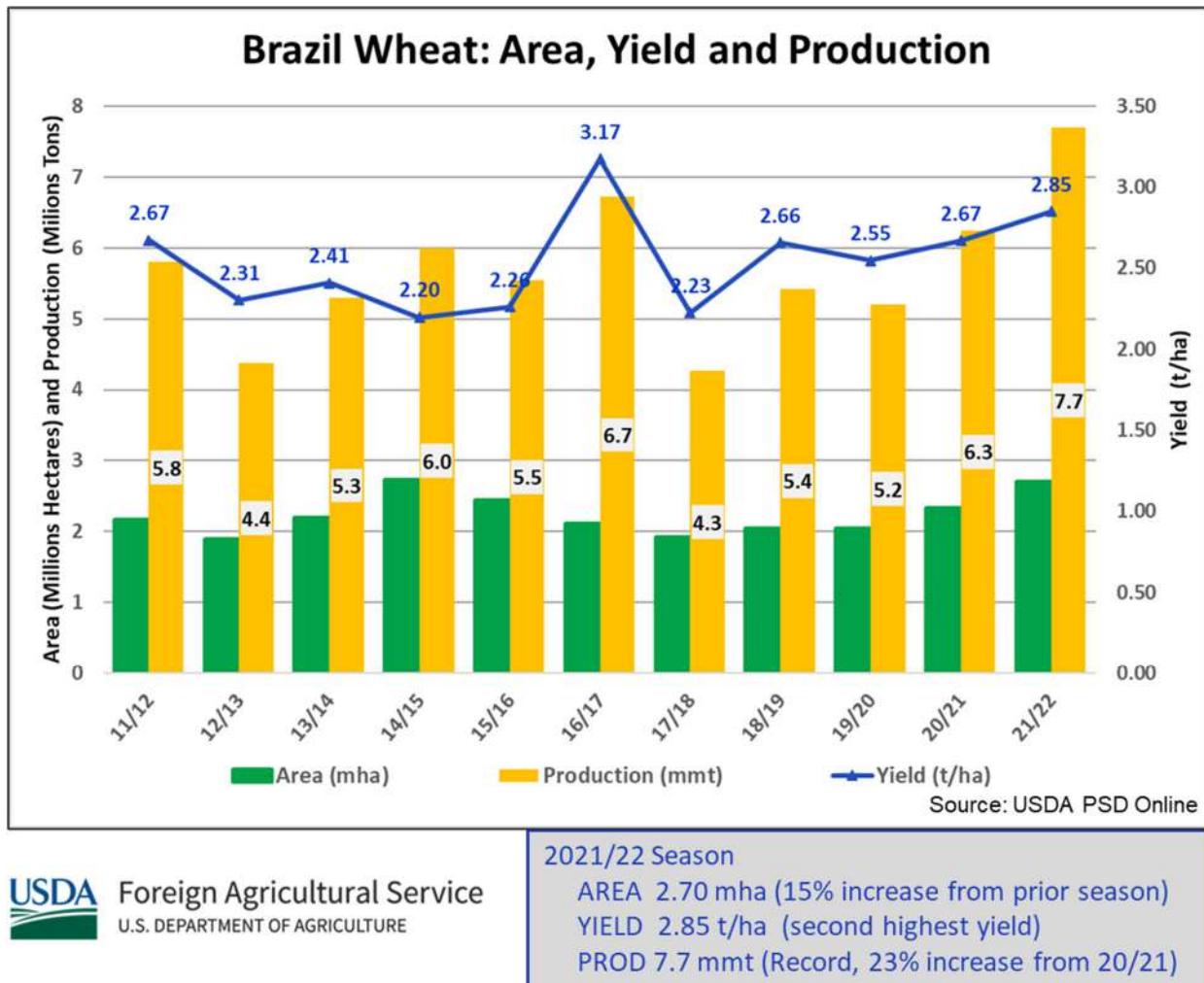
The severe drought this summer on the Prairies had deleterious effects on spring and durum wheat in the region. Recent analysis using the satellite-derived Normalized Difference Vegetation Index (NDVI) indicates crop health for spring wheat declined substantially in July, lowering yield expectations for both spring and durum wheat, which are grown in the same areas. The NDVI time series graph shows that crop health for spring wheat has been below average through most of the MY 2020/21 season, as crops were planted into drier soils following below-average precipitation in the preceding fall and winter. This is followed by a rapid drop in the NDVI values shown for the second half of July, as a lack of adequate rainfall in the summer months worsened conditions further.



Provincial reports from the Prairies have noted the prevalence of early maturation, poor heading, and stunted spring cereal crops. Early estimates from Alberta suggest the spring wheat yield is 45 percent below average. Farmers are now being asked or incentivized to salvage poor crops for feed due to increasing feed shortages. (*For more information, please contact Aaron.Mulhollen@usda.gov.*)

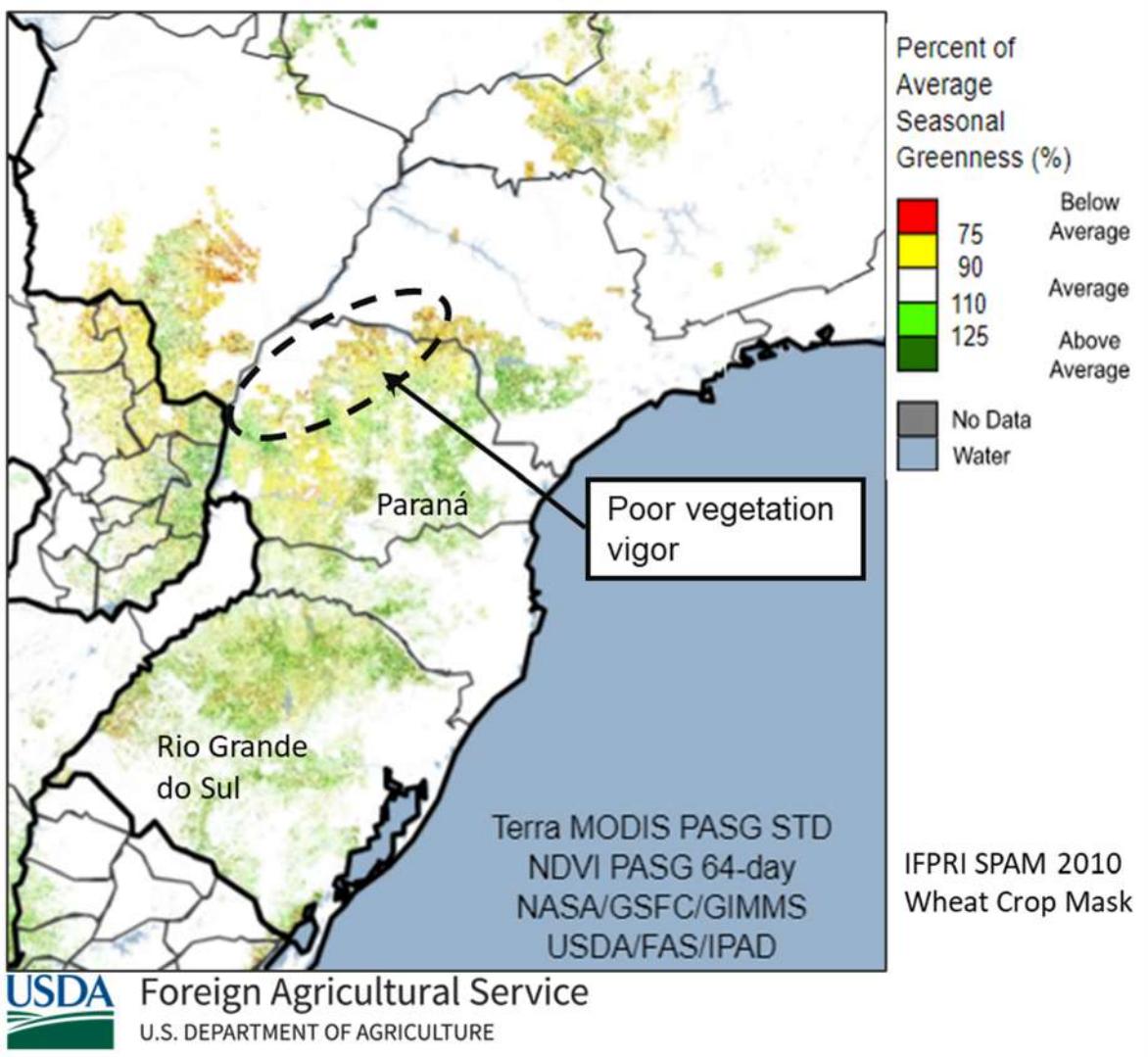
Brazil Wheat: Record Production Estimated for MY 2021/22 Crop

USDA estimates wheat production for marketing year (MY) 2021/2022 in Brazil at a record 7.7 million metric tons (mmt), up 12 percent from last month, and higher by 23 percent from the previous year. Harvested area is estimated at 2.7 million hectares (mha), 7 percent larger than last month, and up 0.4 mha (15 percent) from the previous year. Yield is estimated at 2.85 tons per hectare (t/ha), about 5 percent higher than last month and 7 percent above last year. This would be the second highest yield for Brazil wheat with the previous record at 3.17 t/ha achieved in MY 2016/17.



The wheat crop was planted from late April through early July in the state of Paraná (about 50 percent of national production) and from May through late July in Rio Grande do Sul (about 30 percent of production). Both states report a larger planted area motivated by favorable prices, with Paraná about 7 percent greater than last year and Rio Grande do Sul almost 23 percent larger as reported by *Companhia Nacional de Abastecimento* (CONAB, an agency in the Brazilian Ministry of Agriculture).

Brazil Wheat: Percent of Average Seasonal Greenness (PASG) June 2 – August 4, 2021



Although this season's area is close to the record area planted for wheat in Brazil, the yield increase is lower than other sources due to impacts from adverse weather conditions. The late July frost in southern Brazil harmed the wheat crop in Paraná and São Paulo. About a third of the crop was in the heading stage in Paraná, which is particularly vulnerable to frost. The state Secretariat of Agriculture and Supply-Department of Rural Economy (DERAL/SEAB) lowered the crop in good or excellent condition by 26 percent following this frost event. Additionally, the northern areas of Paraná received below-average rainfall since mid-May. In contrast, the wheat in Rio Grande do Sul was in early vegetative stages with minor impacts from the frosts, although the low temperatures are delaying crop development. The satellite-derived Percent of Average Seasonal Greenness (PASG) for the two-month period from June 2 to August 4 exhibits below-average vegetation vigor for northern areas of Paraná. Harvest begins in August for Paraná. (For more information, please contact Sunita.Yadav-Pauletti@usda.gov.)

Ukraine Corn: Favorable Growing Conditions Boosts Yield

UKRAINE: Corn Production by Oblast

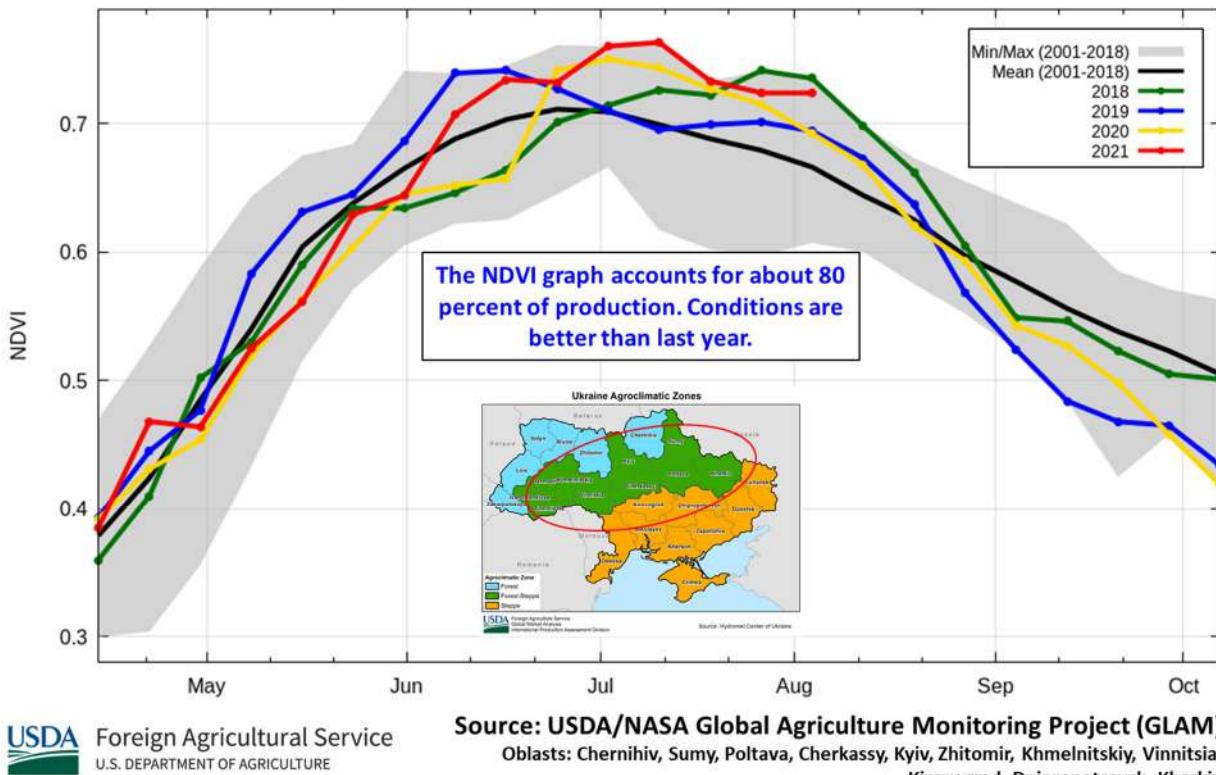


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Source: State Statistical Service of Ukraine (Rosstat for Crimea Oblast)
Average Production of 2013-2017

Ukraine corn production for marketing year 2021/22 is forecast at 39.0 million metric tons, up 4 percent from last month and 29 percent from last year. Yield is forecast at 7.20 tons per hectare (t/ha), up 7 percent from last month and 28 percent from last year. Harvested area is estimated at 5.4 million hectares, down 2 percent from last month but up less than 1 percent from last year.

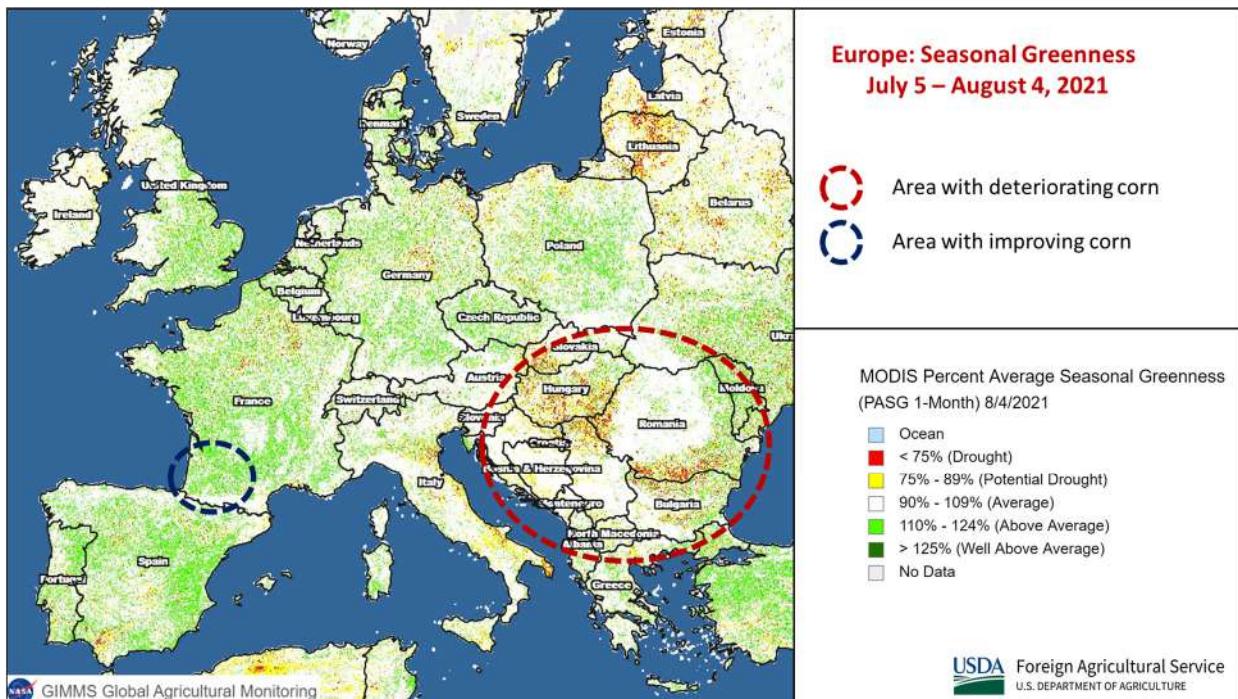
Ukraine Corn Belt



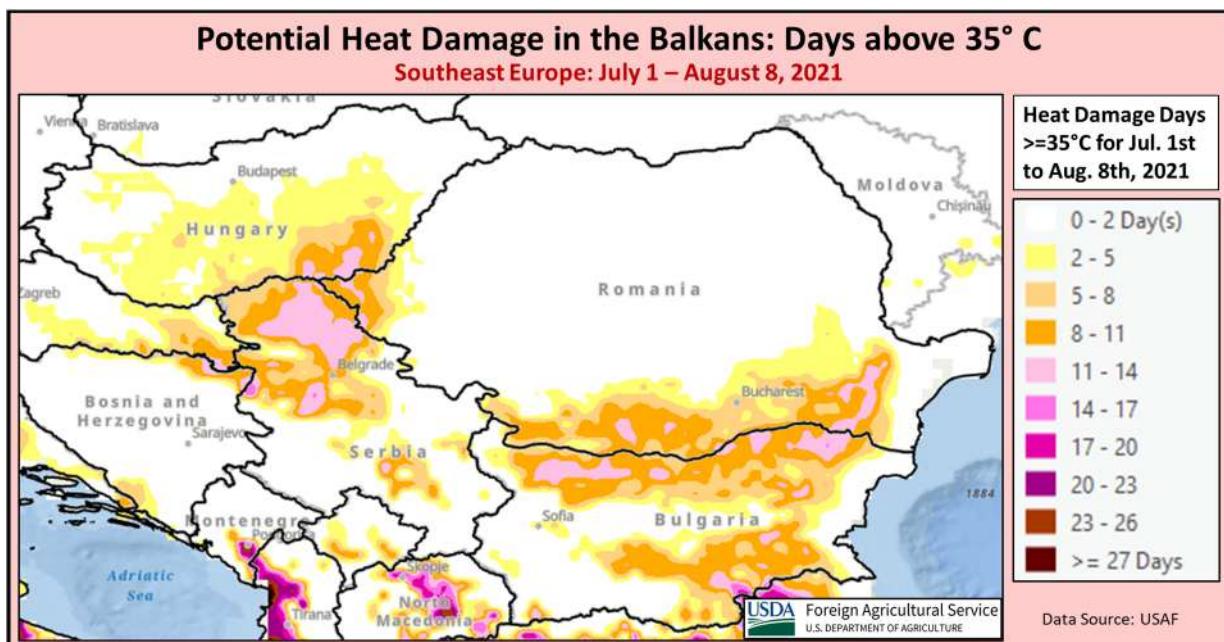
The month-to-month decrease in area is based on the final sown area data released by the State Statistical Service of Ukraine. The month-to-month increase in yield is driven by the above-average crop conditions, as seen in the satellite-derived Normalized Difference Vegetation Index (NDVI). NDVI highlights above-average crop conditions in the Forest Steppe Zone, which on average accounts for about two thirds of total production. Favorable rainfall throughout much of the western Forest Steppe and southern Steppe zones throughout July offsets concerns over drier conditions in the northeast of the country, including Poltava, which is the largest producing oblast. Abundant early-season rainfall throughout the country also helped crops withstand the recent localized dryness. Yields are the second highest on record, after the record 2018 year when yields reached 7.84 t/ha. Harvest will begin in early September. USDA crop production estimates for Ukraine include estimated output from Crimea. (For more information, please contact Katie.McGaughey@usda.gov.)

EU Corn: Despite Gains in France, Heat and Dryness in the Balkans Lower EU Production

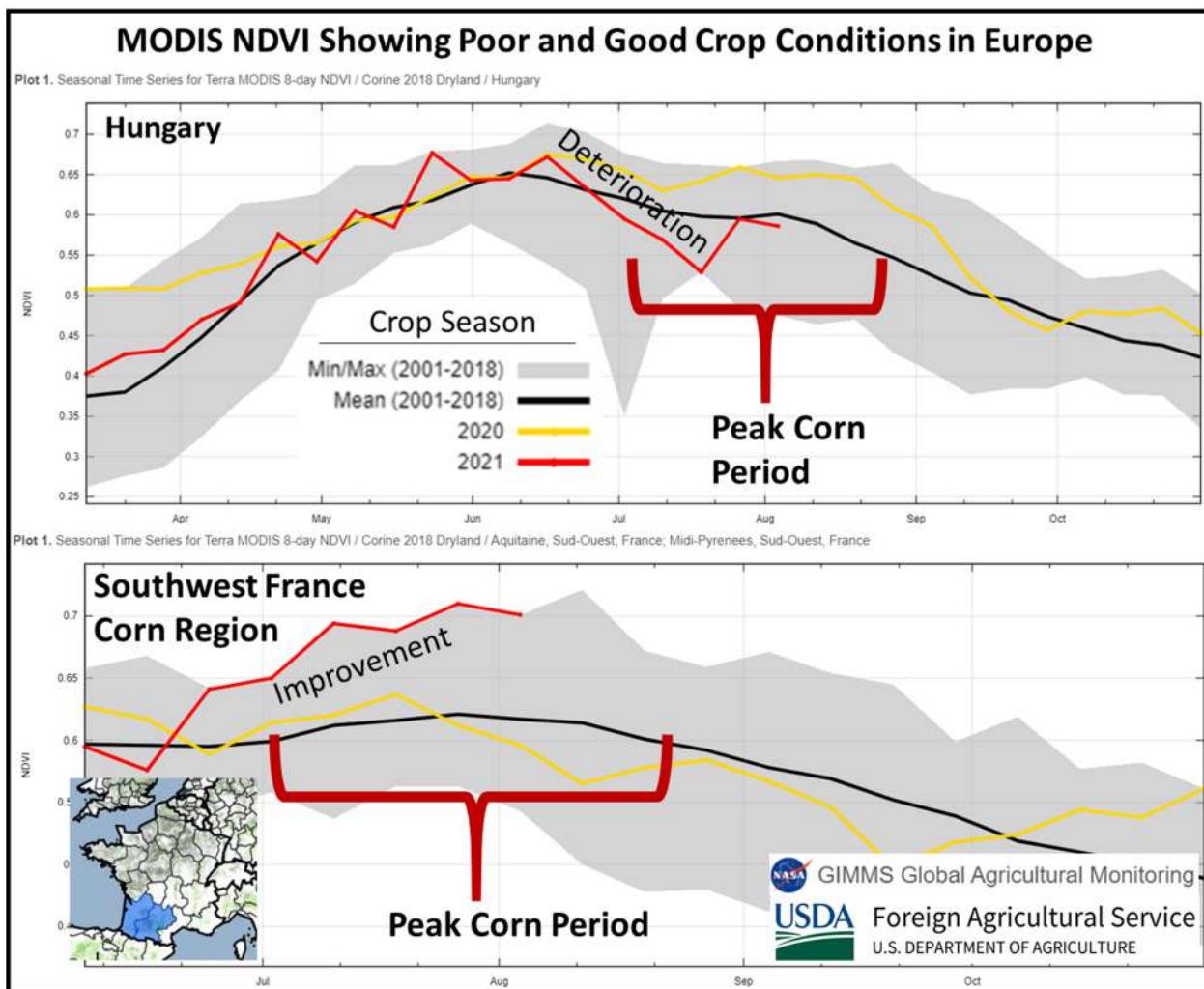
USDA forecasts marketing year 2021/22 European Union (EU) corn production at 65.5 million metric tons (mmt), down 1.2 mmt or 2 percent from last month, but 2 percent above last year's crop and 3 percent above the 5-year average. Area is estimated at 8.9 million hectares (mha), down 1 percent or 50,000 hectares from last month and down 0.2 mha or 2 percent from last year, but it is up 3 percent from last year. Yield is estimated at 7.40 tons per hectare, down 1 percent from last month but up 4 percent from last year.



Recent weather in Europe has been dramatically different by region. In northern and northwestern Europe where rainfall has been abundant and temperatures mild, yield growth has been positive. In southeastern Europe, dryness and heat have reduced yield prospects. July and August are the critically sensitive period for corn flowering and early grainfill in Europe. Conditions during the month deteriorated in the Balkans, with high temperatures during July into August affecting reproduction and lowering grain-fill. EU countries with the largest reductions include Hungary (-1.4 mmt) to 6.9 mmt, Romania (-1.4 mmt) to 11.7 mmt, and Bulgaria (-0.3 mmt) to 3.6 mmt. An additional large reduction was made to non-EU member nation, but adjacent country, Serbia, (-0.8 mmt) to 6.5 mmt.



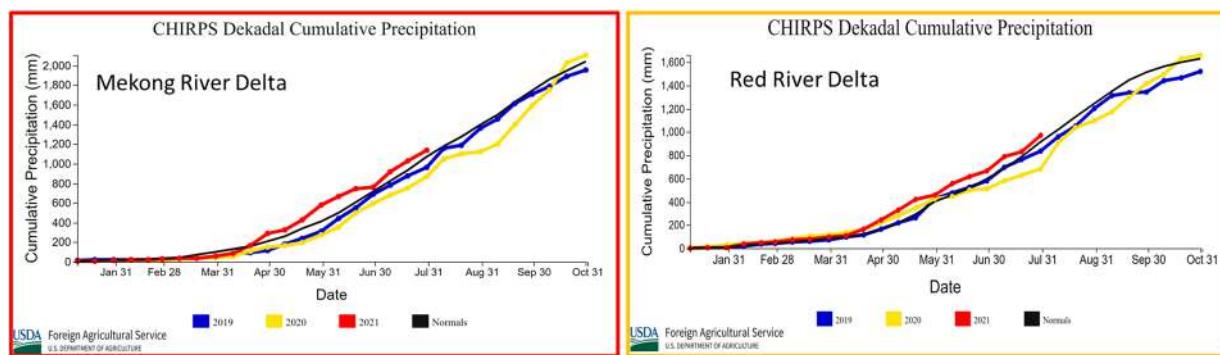
Meanwhile, conditions improved with adequate rain and favorably mild temperatures in France, where corn is forecast up 1.1 mmt to 14.6 mmt. Corn production forecasts were also increased in Germany and Poland, but with smaller amounts of 0.2 and 0.1 mmt, respectively.



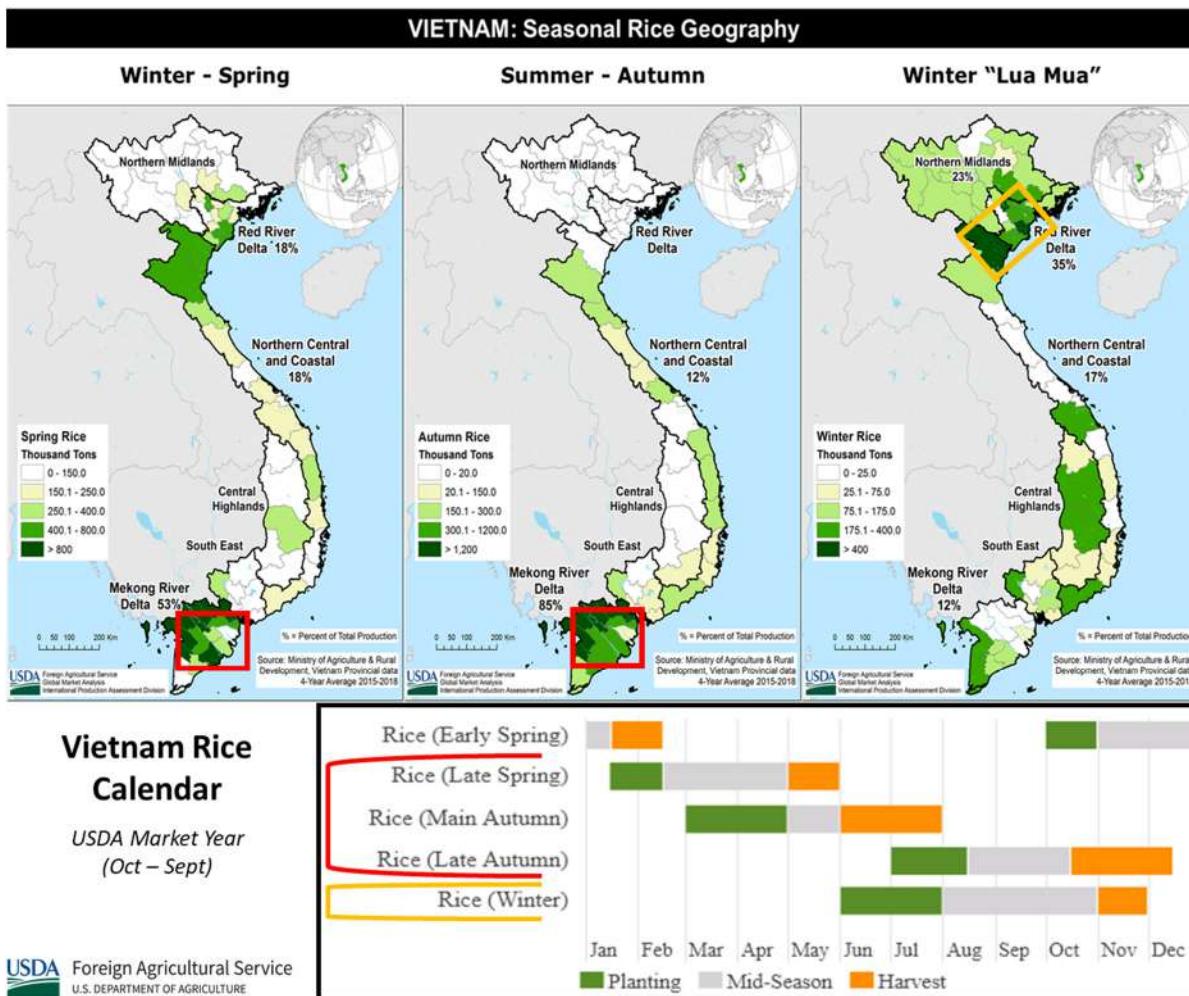
For country-specific area, yield, and production estimates within the European Union (EU), please go to PSD Online at <https://apps.fas.usda.gov/PSDOnline/app/index.html#/app/home>, and select “Downloadable Data Sets.” Select the zipped file for “EU Countries Area & Production.” (*For more information, please contact Bryan.Purcell@usda.gov.*)

Vietnam Rice: MY 2020/21 Production Increases on Higher Than Anticipated Yields

USDA estimates marketing year (MY) 2020/21 rice production at 27.4 million metric tons (milled basis), up 1 percent from last month and last year. Area harvested is estimated at 7.4 million hectares, up slightly from last month but down slightly from MY 2019/20. Yield is estimated at a record 5.96 tons per hectare, up 1 percent from last month and MY 2019/20.



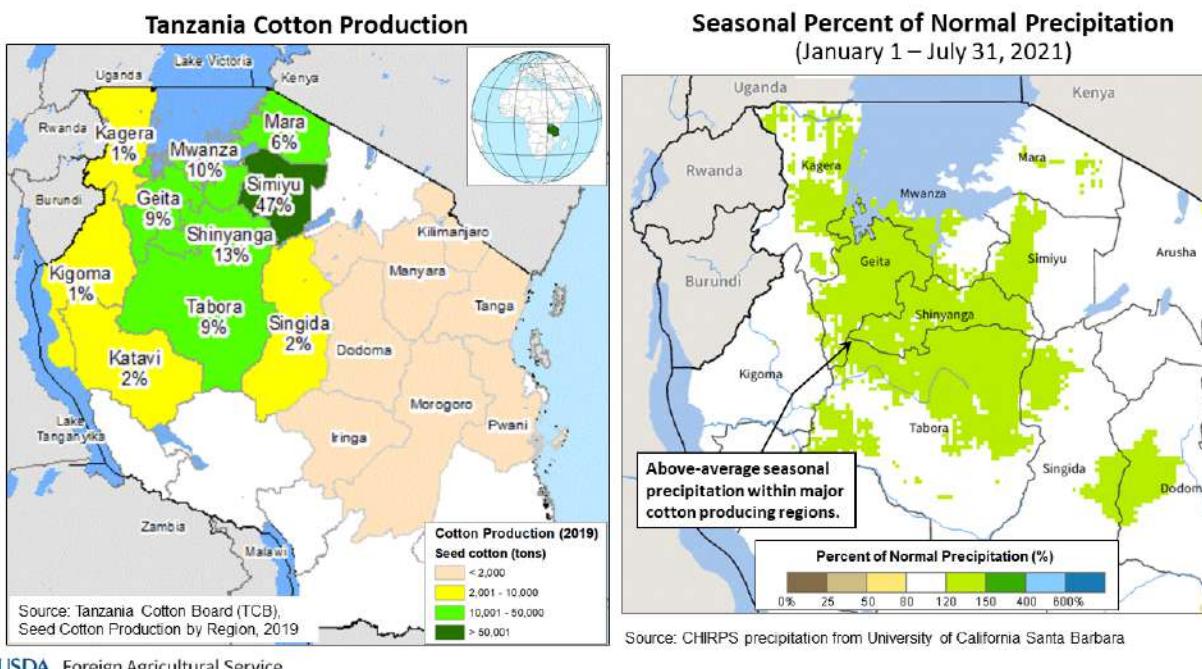
Since April 2021, rainfall distribution for the MY 2020/21 late spring and autumn planting cycles has been above average, benefiting rice yield potential, most notably in the Mekong River Delta. Planting for the winter or “Lua Mua” rice crop cycle began in June and is harvested in November.



The year-to-year decrease in rice harvested area is attributed to land-use conversion and has declined on an annual basis since MY 2016/17. Attributing factors leading to the rice area reductions include a shift to higher profitable crops, increased residential development, and reoccurring issues with salinity intrusion and land erosion. (*For more information, please contact Justin.Jenkins@usda.gov.*)

Tanzania Cotton: Record Production Expected; Up 186 Percent from Last Year

Tanzania marketing year (MY) 2021/22 cotton production is estimated at a record 600,000 480-lb bales, up 100,000 bales (20 percent) from last month and 390,000 bales (186 percent) from last year. Cotton area is estimated at 600,000 hectares, matching the record of MY 2019/20; it is also up 50,000 hectares (9 percent) from last month and 150,000 hectares (33 percent) from last year. Yield is estimated at 218 kilograms per hectare, up 10 percent from last month and 47 percent from the 5-year average. Greater amounts of fertilizer and pesticides were available to farmers this year, which helped to increase area, boost yields, and reduce pest damage.



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Cotton is generally planted from November through January, and harvesting is from June through September. The onset of rains was timely and seasonal rainfall was above average for most cotton producing regions. The satellite-derived Normalized Difference Vegetation Index (NDVI) and the Percent of Average Seasonal Greenness (PASG) indices confirm early crop establishment and above-average crop conditions for the entire season.

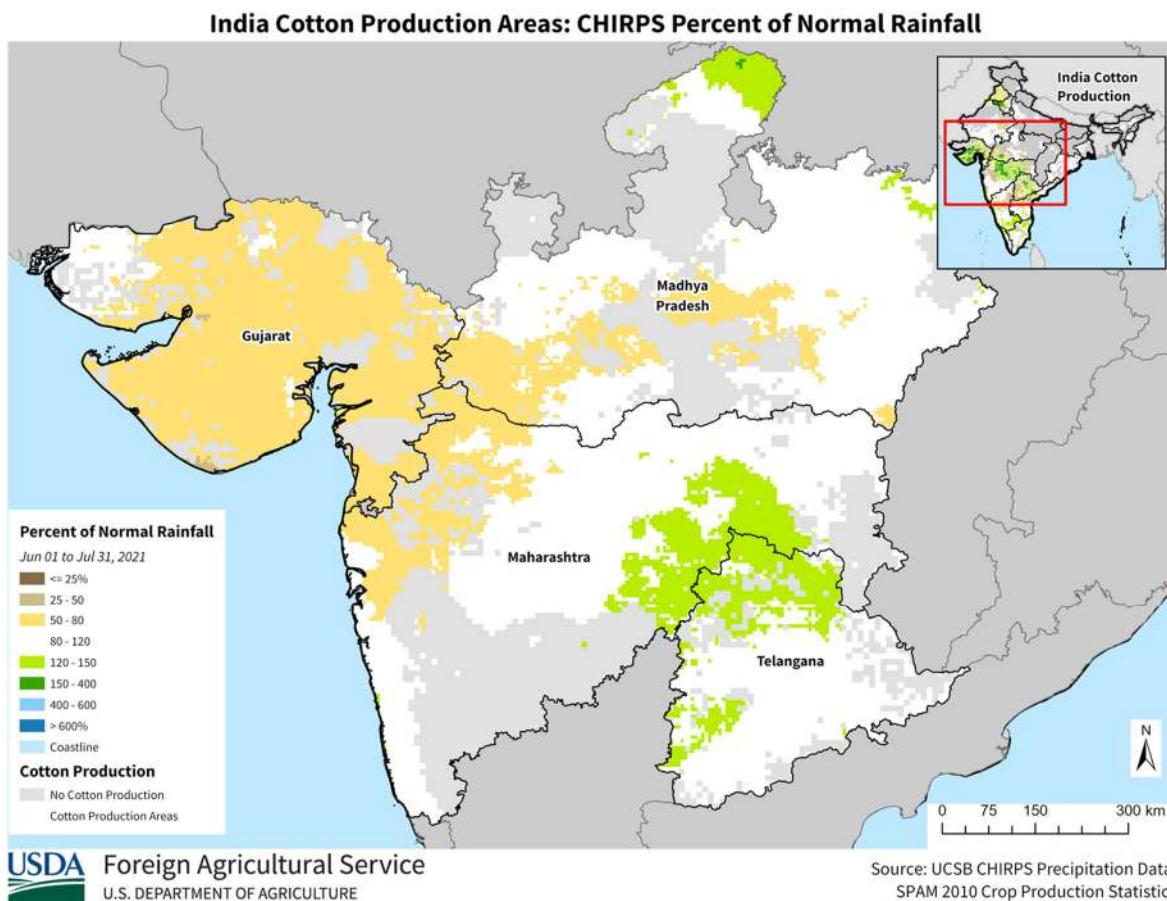
Nearly 99 percent of Tanzania's cotton is grown in the northwest, near Lake Victoria, with top producing regions being Simiyu (47 percent), Shinyanga (13 percent), Mwanza (10 percent), Geita (9 percent), Tabora (9 percent), and Mara (6 percent). Cotton is primarily produced by approximately 400,000 small landholder farms ranging from 0.5 to 10 hectares, with an average farm size of 1.5 hectares. (*For more information, please contact Curt.Reynolds@usda.gov.*)

India Cotton: Area Harvested Down due to Pause of the 2021 Southwest Monsoon

USDA forecasts cotton production at 29.0 million 480-pound bales, unchanged from last month and up 2 percent from last year. Area harvested is forecast at 12.9 million hectares, down marginally from last month and last year. The area decrease is due to the slow progression or pause

of the 2021 southwest monsoon and competition with other crops such as soybeans and pulses. Yields are forecast to reach 489 kilograms per hectare, up slightly from last month and up 3 percent from 2020.

According to the India Department of Agriculture's All India Crop Situation report from August 6, planting progress in the central region, which comprises 75 percent of total cotton production, is down nearly 5 percent from the same period last year. Despite the monsoon covering the entire country, cumulative rainfall is normal in Maharashtra but below normal in Gujarat. The pace of planting activities is slowing in the central region. The early-planted crop is in the vegetative stage going into the flowering stage in central India.



The satellite-derived MODIS Normalized Difference Vegetation Index anomaly analysis showed crops above the long-term average despite the dry conditions in major producing areas of Gujarat and parts of Maharashtra. So far, there are no reports of major pests and disease incidences. However, farmers are monitoring for white fly in the northern areas of Punjab and pink bollworms in central India, which could impact yields.

Northern India completed sowing cotton in May. Planting in central India should be completed in August. Planting activities have started in the southern region, including the states of Andhra Pradesh, Telangana, Karnataka, and Tamil Nadu. Cotton is grown only in the *kharif* season from May to October. Harvesting starts in September and can continue into February. (*For more information, please contact Arnella.Trent@usda.gov.*)



World Agricultural Production
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This report uses information from the Foreign Agricultural Service's (FAS) global network of agricultural attachés and counselors, official statistics of foreign governments and other foreign source materials, and the analysis of economic data and satellite imagery. Estimates of foreign area, yield, and production are from the International Production Assessment Division, FAS, and are reviewed by USDA's Inter-Agency Commodity Estimates Committee. Estimates of U.S. area, yield, and production are from USDA's National Agricultural Statistics Service. Numbers within the report may not add to totals because of rounding. This report reflects official USDA estimates released in the World Agricultural Supply and Demand Estimates (WASDE-584), August 12, 2021.

Printed copies are available from the National Technical Information Service. Download an order form at http://www.ntis.gov/products/specialty/usda/fas_a-g.asp, or call NTIS at 1-800-363-2068.

The FAS International Production Assessment Division prepared this report. The next issue of World Agricultural Production will be released after 12:00 p.m. Eastern Time, September 10, 2021.

Conversion Table

Metric tons to bushels

Wheat, soybeans	=	MT * 36.7437
Corn, sorghum, rye	=	MT * 39.36825
Barley	=	MT * 45.929625
Oats	=	MT * 68.894438

Metric tons to 480-lb bales

Cotton	=	MT * 4.592917
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Metric tons to hundredweight

Rice	=	MT * 22.04622
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Area & weight

1 hectare	=	2.471044 acres
1 kilogram	=	2.204622 pounds



For further information, contact:
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The Foreign Agricultural Service (FAS) updates its production, supply and distribution (PSD) database for cotton, oilseeds, and grains at 12:00 p.m. on the day the *World Agricultural Supply and Demand Estimates* (WASDE) report is released. This circular is released by 12:15 p.m.

FAS Reports and Databases:

World Agricultural Production

Current: <https://www.fas.usda.gov/data/world-agricultural-production>

Archive: <https://usda.library.cornell.edu/concern/publications/5q47rn72z?locale=en>

USDA's Foreign Agricultural Service (FAS) publishes a monthly report on crop acreage, yield and production in major countries worldwide. Sources include reporting from FAS's worldwide offices, official statistics of foreign governments, and analysis of economic data and satellite imagery. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

World Markets and Trade

Current: <https://www.fas.usda.gov/data>

Archive:

https://usda.library.cornell.edu/catalog?1%5Bmember_of_collections_ssim%5D%5B%5D=Foreign+Agricultural+Service&locale=en

USDA's Foreign Agricultural Service (FAS) publishes monthly and quarterly reports which include data on U.S. and global trade, production, consumption and stocks, as well as analysis of developments affecting world trade in oilseeds, grains, cotton, livestock and poultry. The reports reflect official USDA estimates released in the monthly *World Agricultural Supply and Demand Estimates* (WASDE).

Global Agricultural Information Network (GAIN)

<https://www.fas.usda.gov/databases/global-agricultural-information-network-gain>

USDA's Foreign Agricultural Service (FAS) provides timely reports on foreign markets through the Global Agriculture Information Network (GAIN) database. An average of 2,000 reports are added each year, with reports going back to 1995. GAIN reports are compiled by FAS' global market intelligence network, which includes FAS foreign service officers and locally engaged staff in over 90 overseas offices world-wide. They provide on-the-ground intelligence, insight, and analysis on nearly 200 countries, delivering information on foreign agricultural markets, crop conditions, and agro-political dynamics of interest to U.S. agriculture. GAIN reports contain assessments of commodity and trade issues made by USDA staff and are not necessarily statements of official U.S. government policy.

Production, Supply and Distribution (PS&D) Online

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/home>

PSD Online is the public repository for USDA's Official Production, Supply and Distribution forecast data and reports for key agricultural commodities. PSD Online data are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB). The committee consist of representatives from Foreign Agricultural Service (FAS), the Economic Research Service (ERS), the Farm Service Agency (FSA), and the Agricultural Marketing Service (AMS).

EU Countries and Russia Wheat: Area and Production Estimates

<https://apps.fas.usda.gov/psdonline/app/index.html#/app/downloads> (click on PSD Datasets)

USDA's Foreign Agricultural Service (FAS) provides country-level area and production estimates for the nations of the European Union. For Russia, country-level area and production estimates are provided for Winter and Spring wheat. These datasets are reviewed and updated monthly by an interagency committee chaired by USDA's World Agricultural Outlook Board (WAOB) and can be downloaded through PSD datasets on PSD Online.



FAS Reports and Databases:

International Production Assessment (IPAD)

<https://ipad.fas.usda.gov/>

USDA's Foreign Agricultural Service (FAS) maintains a dynamic global crop production portal with key information including *World Agricultural Production* (WAP) briefs, Commodity Intelligence Reports (CIR), geospatial applications, crop production maps at a subnational level and crop calendars for the top-20 producing countries. Additionally, Crop Explorer (<https://ipad.fas.usda.gov/cropexplorer/>) displays rainfall, temperature, evapotranspiration, soil moisture, snow cover, and vegetation conditions in charts and maps.

USDA and NASA Global Agricultural Monitoring (GLAM)

<https://glam1.gsfc.nasa.gov/>

The USDA and NASA Global Agricultural Monitoring (GLAM) system provides near real-time and science quality Moderate Resolution Imaging Spectroradiometer (MODIS) Normalized Difference Vegetation Index (NDVI) from the satellites Terra and Aqua. The public can view and retrieve MODIS 8-day composited, global NDVI satellite imagery and time series data. GLAM was developed by NASA's Global Inventory Modeling and Mapping Studies (GIMMS) group for USDA's Foreign Agricultural Service.

Global Agricultural and Disaster Assessment System (GADAS)

<https://geo.fas.usda.gov/GADAS/index.html>

USDA's Foreign Agricultural Service (FAS) provides the Global Agricultural and Disaster Assessment System (GADAS), a web-based Geographic Information System (GIS) tool which integrates a vast array of highly detailed earth observation data streams, particularly targeted towards agricultural and disaster assessment analysis. GADAS is an interactive website which provides analysts with a wide variety of routine geospatial products (maps, charts, tables) they require for comprehensive situational investigations and recurring assessments.

Export Sales Reporting

<https://apps.fas.usda.gov/esrquery/>

USDA's Export Sales Reporting Program monitors U.S. agricultural export sales on a daily and weekly basis. Export sales reporting provides a constant stream of up-to-date market information for 40 U.S. agricultural commodities sold abroad. The weekly U.S. Export Sales report is the most currently available source of U.S. exports sales data. The data is used to analyze overall levels of export demand, determine where markets exit, and assess the relative position of U.S. commodities in foreign markets.

Global Agricultural Trade System (GATS)

<https://apps.fas.usda.gov/gats/default.aspx>

The Global Agricultural Trade System (GATS) is a searchable database containing monthly U.S. Census Bureau trade data organized by agricultural commodity and agricultural related product groups. Trade data is searchable by partner countries and partner groups. Historical U.S. agricultural trade data is available back to 1967. In addition, U.N. trade statistics (UN Comtrade) may be queried through GATS. UN trade data is available for nearly 200 countries or areas, dating from the inception of the Harmonized System (HS) of trade codes in 1989 to present. The database is continuously updated. U.S. trade data is updated monthly according to the U.S. Census Bureau's reporting system. UN Comtrade data are updated in GATS after nationally submitted data to the UN are standardized by the UN Statistical Division and added to the UN Comtrade database.

Other USDA Reports:

World Agricultural Supply and Demand Estimates (WASDE):

<http://www.usda.gov/oce/commodity/wasde/>

Economic Research Service:

<http://www.ers.usda.gov/topics/crops>

National Agricultural Statistics Service:

<http://www.nass.usda.gov/Publications/>

Table 01 World Crop Production Summary

Million Metric Tons

Commodity	World -	Total Foreign	North America		Former Soviet		Europea n	Asia (WAP)			South America		Selected Other			All Others			
			United States	Canada -	Mexico -	Russia -	Ukraine -		China -	India -	Indo-nesia	Paki-stan	Thail-and	Argent-ina	Brazil -	Aus-tralia	South Africa	Turkey -	
---Million metric tons---																			
Wheat																			
2019/20	763.6	711.0	52.6	32.7	3.3	73.6	29.2	nr	133.6	103.6	0.0	24.3	0.0	19.8	5.2	14.5	1.5	17.5	252.2
2020/21 prel.	775.8	726.1	49.7	35.2	3.0	85.4	25.4	nr	134.3	107.9	0.0	24.9	0.0	17.6	6.3	33.0	2.1	18.3	232.9
2021/22 proj.																			
Jul	792.4	744.9	47.5	31.5	3.1	85.0	30.0	nr	136.0	108.0	0.0	27.0	0.0	20.5	6.9	28.5	1.8	17.0	249.6
Aug	776.9	730.7	46.2	24.0	3.1	72.5	33.0	nr	136.0	108.0	0.0	27.0	0.0	20.5	7.7	30.0	1.9	16.5	250.5
Coarse Grains																			
2019/20	1,415.2	1,055.7	359.4	28.6	32.1	40.5	46.5	nr	268.2	47.7	12.0	7.7	4.6	58.1	105.8	11.9	16.4	14.5	361.2
2020/21 prel.	1,424.9	1,050.3	374.6	29.6	32.0	41.4	39.6	nr	268.0	49.3	11.8	8.3	5.7	57.0	91.0	16.4	18.1	15.8	366.4
2021/22 proj.																			
Jul	1,496.8	1,098.1	398.7	29.3	33.8	41.7	48.1	nr	275.4	48.6	12.0	8.1	5.5	60.8	122.0	14.2	17.7	13.0	368.1
Aug	1,484.4	1,096.1	388.3	26.2	33.8	41.9	50.3	nr	275.4	49.1	12.0	8.1	5.5	60.8	122.0	14.7	17.6	11.9	367.0
Rice, Milled																			
2019/20	497.8	492.0	5.9	0.0	0.2	0.7	0.0	nr	146.7	118.9	34.7	7.4	17.7	0.8	7.6	0.0	0.0	0.6	156.6
2020/21 prel.	505.8	498.6	7.2	0.0	0.2	0.7	0.0	nr	148.3	122.0	35.3	8.2	18.8	0.8	8.0	0.3	0.0	0.6	155.3
2021/22 proj.																			
Jul	506.0	499.7	6.3	0.0	0.2	0.7	0.0	nr	149.0	121.0	35.3	8.2	19.5	0.8	8.0	0.6	0.0	0.6	155.8
Aug	507.4	501.2	6.3	0.0	0.2	0.7	0.0	nr	149.0	121.0	35.4	8.2	19.5	0.8	8.0	0.6	0.0	0.6	157.1
Total Grains																			
2019/20	2,676.6	2,258.7	417.9	61.3	35.5	114.8	75.8	nr	548.5	270.1	46.7	39.5	22.2	78.7	118.6	26.4	17.9	32.6	770.1
2020/21 prel.	2,706.5	2,275.0	431.5	64.8	35.1	127.5	65.0	nr	550.6	279.1	47.1	41.5	24.5	75.5	105.2	49.8	20.2	34.6	754.5
2021/22 proj.																			
Jul	2,795.2	2,342.7	452.6	60.8	37.0	127.4	78.1	nr	560.4	277.6	47.3	43.3	25.0	82.1	136.9	43.3	19.5	30.6	773.5
Aug	2,768.8	2,328.0	440.7	50.2	37.1	115.1	83.4	nr	560.4	278.1	47.4	43.3	25.0	82.1	137.7	45.3	19.5	29.0	774.7
Oilseeds																			
2019/20	581.3	474.3	107.0	25.8	0.9	21.7	24.5	nr	63.0	36.4	14.4	3.4	0.9	53.6	133.9	2.5	2.2	3.3	87.8
2020/21 prel.	599.9	477.6	122.4	25.5	0.8	20.1	19.9	nr	66.3	38.6	14.6	2.7	1.0	50.5	141.4	4.9	2.8	2.9	85.8
2021/22 proj.																			
Jul	635.4	505.0	130.5	26.4	1.0	23.6	23.3	nr	64.6	39.3	14.8	2.9	1.0	57.1	149.3	5.6	2.7	3.3	90.2
Aug	629.5	501.4	128.1	22.2	0.8	22.9	23.8	nr	64.6	39.3	14.8	2.9	1.0	57.1	149.0	5.8	2.7	3.3	91.2
Cotton																			
2019/20	121.4	101.5	19.9	0.0	1.6	0.0	0.0	2.0	27.3	28.8	0.0	6.2	0.0	1.3	13.8	0.6	0.1	3.5	16.4
2020/21 prel.	112.4	97.8	14.6	0.0	1.0	0.0	0.0	1.7	29.5	28.3	0.0	4.5	0.0	1.3	10.8	2.8	0.1	2.9	14.9
2021/22 proj.																			
Jul	119.4	101.6	17.8	0.0	1.1	0.0	0.0	1.8	26.8	29.0	0.0	5.0	0.0	1.4	13.3	3.9	0.1	3.4	16.0
Aug	118.8	101.6	17.3	0.0	1.1	0.0	0.0	1.8	26.8	29.0	0.0	5.0	0.0	1.4	12.5	4.4	0.1	3.4	16.3

1/ Includes wheat, coarse grains, and rice (milled) shown above.

Table 02 Wheat Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	216.18	221.82	224.49	224.66	3.53	3.50	3.53	3.46	763.60	775.84	792.40	776.91	-15.49	-1.95	1.07	0.14
United States	15.13	14.87	15.42	15.42	3.47	3.34	3.08	2.99	52.58	49.69	47.52	46.18	-1.34	-2.82	-3.51	-7.07
Total Foreign	201.04	206.95	209.07	209.24	3.54	3.51	3.56	3.49	711.01	726.15	744.88	730.73	-14.15	-1.90	4.58	0.63
European Union	24.36	23.08	23.93	23.93	5.69	5.46	5.78	5.79	138.74	125.94	138.20	138.60	0.40	0.29	12.66	10.05
United Kingdom	1.80	1.39	1.78	1.75	8.69	6.96	8.34	8.57	15.60	9.66	14.80	15.00	0.20	1.35	5.34	55.31
Serbia	0.57	0.57	0.60	0.60	4.56	4.74	4.83	4.83	2.60	2.70	2.90	2.90	0.00	0.00	0.20	7.41
China	23.73	23.38	23.00	23.00	5.63	5.74	5.91	5.91	133.60	134.25	136.00	136.00	0.00	0.00	1.75	1.30
South Asia																
India	29.32	31.36	32.00	32.00	3.53	3.44	3.38	3.38	103.60	107.86	108.00	108.00	0.00	0.00	0.14	0.13
Pakistan	8.68	8.83	9.20	9.20	2.81	2.83	2.93	2.93	24.35	24.95	27.00	27.00	0.00	0.00	2.05	8.23
Afghanistan	2.30	2.33	2.20	2.20	2.17	2.15	2.00	2.00	5.00	5.01	4.40	4.40	0.00	0.00	-0.61	-12.18
Nepal	0.75	0.75	0.75	0.75	2.95	2.95	2.80	2.80	2.20	2.21	2.10	2.10	0.00	0.00	-0.11	-4.98
Former Soviet Union - 12																
Russia	27.31	28.68	29.00	28.00	2.70	2.98	2.93	2.59	73.61	85.35	85.00	72.50	-12.50	-14.71	-12.85	-15.06
Russia Winter	15.41	16.63	16.30	15.20	3.41	3.77	3.93	3.32	52.54	62.69	64.00	50.50	-13.50	-21.09	-12.19	-19.44
Russia Spring	11.91	12.06	12.70	12.80	1.77	1.88	1.65	1.72	21.07	22.67	21.00	22.00	1.00	4.76	-0.67	-2.93
Ukraine	7.02	6.85	7.17	7.40	4.16	3.71	4.18	4.46	29.17	25.42	30.00	33.00	3.00	10.00	7.58	29.82
Kazakhstan	11.34	12.08	12.00	12.70	1.01	1.18	1.08	0.98	11.45	14.26	13.00	12.50	-0.50	-3.85	-1.76	-12.32
Uzbekistan	1.40	1.40	1.40	1.40	4.86	4.65	4.29	4.29	6.80	6.51	6.00	6.00	0.00	0.00	-0.51	-7.83
Belarus	0.69	0.70	0.70	0.70	3.33	3.29	3.21	3.21	2.31	2.30	2.25	2.25	0.00	0.00	-0.05	-2.17
Canada	9.66	10.02	9.20	9.20	3.38	3.51	3.42	2.61	32.67	35.18	31.50	24.00	-7.50	-23.81	-11.18	-31.79
South America																
Argentina	6.73	6.40	6.50	6.50	2.94	2.76	3.15	3.15	19.78	17.65	20.50	20.50	0.00	0.00	2.86	16.18
Brazil	2.04	2.34	2.53	2.70	2.55	2.67	2.73	2.85	5.20	6.25	6.90	7.70	0.80	11.59	1.45	23.20
Australia	9.86	13.00	13.10	13.20	1.47	2.54	2.18	2.27	14.48	33.00	28.50	30.00	1.50	5.26	-3.00	-9.09
Africa																
Egypt	1.37	1.39	1.40	1.40	6.40	6.40	6.43	6.43	8.77	8.90	9.00	9.00	0.00	0.00	0.10	1.12
Morocco	2.51	2.76	2.86	2.86	1.61	0.93	2.38	2.63	4.03	2.56	6.80	7.50	0.70	10.29	4.94	192.97
Algeria	2.07	2.08	2.08	2.08	1.90	1.88	1.73	1.73	3.95	3.90	3.60	3.60	0.00	0.00	-0.30	-7.69
Ethiopia	1.79	1.85	1.90	1.90	2.97	2.76	2.73	2.73	5.32	5.10	5.18	5.18	0.00	0.00	0.08	1.57
Middle East																
Turkey	7.00	7.10	7.00	7.00	2.50	2.57	2.43	2.36	17.50	18.25	17.00	16.50	-0.50	-2.94	-1.75	-9.59
Iran	6.70	6.70	6.70	6.70	2.51	2.50	2.24	2.24	16.80	16.75	15.00	15.00	0.00	0.00	-1.75	-10.45
Iraq	2.40	2.40	2.50	2.50	2.00	1.93	1.80	1.80	4.80	4.64	4.50	4.50	0.00	0.00	-0.14	-2.91
Syria	1.60	1.60	1.40	1.40	3.00	2.81	2.00	2.00	4.80	4.50	2.80	2.80	0.00	0.00	-1.70	-37.78
Mexico	0.59	0.56	0.57	0.56	5.54	5.33	5.40	5.59	3.27	2.97	3.05	3.10	0.05	1.64	0.14	4.55
Others	7.46	7.37	7.62	7.62	2.76	2.73	2.74	2.77	20.62	20.09	20.90	21.10	0.20	0.96	1.01	5.01

World and Selected Countries and Regions

Table 03 Total Coarse Grain Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	335.81	339.28	341.19	340.28	4.21	4.20	4.39	4.36	1,415.17	1,424.86	1,496.81	1,484.40	-12.40	-0.83	59.54	4.18
United States	36.17	36.84	37.80	37.80	9.94	10.17	10.55	10.27	359.43	374.57	398.74	388.28	-10.46	-2.62	13.71	3.66
Total Foreign	299.65	302.44	303.39	302.48	3.52	3.47	3.62	3.62	1,055.73	1,050.29	1,098.07	1,096.12	-1.95	-0.18	45.83	4.36
China	43.60	43.56	44.41	44.29	6.15	6.15	6.20	6.22	268.18	268.02	275.43	275.40	-0.03	-0.01	7.38	2.75
European Union	28.74	29.40	28.82	28.72	5.31	5.24	5.32	5.34	152.74	154.04	153.40	153.45	0.05	0.03	-0.59	-0.38
United Kingdom	1.41	1.66	1.42	1.42	6.64	5.65	5.97	6.01	9.35	9.36	8.50	8.53	0.03	0.29	-0.83	-8.89
South America																
Brazil	19.86	21.23	22.23	22.23	5.33	4.28	5.49	5.49	105.82	90.96	122.02	122.02	0.00	0.00	31.06	34.15
Argentina	8.43	8.51	8.82	8.82	6.89	6.71	6.89	6.89	58.13	57.05	60.78	60.77	-0.01	-0.01	3.73	6.53
Former Soviet Union - 12																
Russia	14.51	14.55	14.30	14.23	2.79	2.84	2.91	2.95	40.50	41.40	41.65	41.90	0.25	0.60	0.50	1.22
Ukraine	8.22	8.53	8.56	8.60	5.67	4.64	5.61	5.85	46.55	39.59	48.06	50.32	2.26	4.69	10.73	27.11
Kazakhstan	3.45	3.20	3.40	2.67	1.47	1.54	1.49	1.45	5.06	4.93	5.06	3.88	-1.18	-23.24	-1.05	-21.25
Belarus	1.08	1.03	0.92	0.92	3.08	3.42	3.18	3.18	3.32	3.52	2.93	2.93	0.00	0.00	-0.60	-16.90
Africa																
Nigeria	14.40	13.10	13.70	13.70	1.37	1.42	1.45	1.45	19.67	18.57	19.80	19.80	0.00	0.00	1.23	6.62
South Africa	3.13	3.36	3.33	3.29	5.24	5.38	5.32	5.35	16.37	18.05	17.70	17.56	-0.14	-0.79	-0.49	-2.71
Tanzania	4.35	5.20	5.10	5.10	1.56	1.42	1.49	1.49	6.77	7.38	7.58	7.58	0.00	0.00	0.20	2.71
Burkina Faso	4.08	4.00	4.00	4.00	1.12	0.99	1.10	1.10	4.55	3.95	4.40	4.40	0.00	0.00	0.46	11.53
Ethiopia	5.58	5.60	5.62	5.62	3.08	3.08	3.07	3.07	17.17	17.25	17.25	17.25	0.00	0.00	0.00	0.00
Egypt	1.02	1.02	1.02	1.02	7.09	7.09	7.09	7.09	7.26	7.26	7.26	7.26	0.00	0.00	0.00	0.00
Mali	4.92	5.17	4.70	4.70	1.46	1.38	1.45	1.45	7.21	7.14	6.80	6.80	0.00	0.00	-0.34	-4.70
India	23.98	23.39	23.80	24.00	1.99	2.11	2.04	2.04	47.66	49.27	48.55	49.05	0.50	1.03	-0.22	-0.45
Southeast Asia																
Indonesia	3.80	3.60	3.60	3.60	3.16	3.28	3.33	3.33	12.00	11.80	12.00	12.00	0.00	0.00	0.20	1.69
Philippines	2.51	2.57	2.50	2.50	3.20	3.25	3.20	3.20	8.03	8.37	8.00	8.00	0.00	0.00	-0.37	-4.40
Vietnam	0.99	0.95	0.90	0.90	4.80	4.83	4.89	4.89	4.76	4.59	4.40	4.40	0.00	0.00	-0.19	-4.14
Thailand	1.24	1.28	1.23	1.23	3.66	4.41	4.44	4.44	4.55	5.65	5.45	5.45	0.00	0.00	-0.20	-3.54
Mexico	8.41	8.76	9.11	9.11	3.82	3.65	3.71	3.71	32.10	31.96	33.75	33.75	0.00	0.00	1.79	5.60
Canada	5.54	5.80	5.70	5.70	5.16	5.11	5.14	4.59	28.61	29.64	29.25	26.15	-3.10	-10.60	-3.49	-11.79
Australia	6.18	5.99	5.78	5.78	1.93	2.75	2.46	2.55	11.90	16.45	14.20	14.70	0.50	3.52	-1.75	-10.61
Middle East																
Turkey	4.53	4.63	4.56	4.46	3.19	3.40	2.85	2.67	14.45	15.76	12.98	11.93	-1.05	-8.09	-3.83	-24.30
Iran	1.91	1.91	1.91	1.91	2.63	2.71	2.31	2.31	5.02	5.17	4.42	4.42	0.00	0.00	-0.75	-14.51
Others	73.80	74.45	73.98	73.99	1.60	1.65	1.71	1.71	118.05	123.19	126.46	126.43	-0.03	-0.02	3.24	2.63

World and Selected Countries and Regions; Coarse Grain includes: Barley, Corn, Millet, Mixed Grains, Oats, Rye and Sorghum

Table 04 Corn Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	194.18	197.31	199.64	199.93	5.76	5.65	5.98	5.93	1,118.56	1,115.41	1,194.80	1,186.12	-8.68	-0.73	70.71	6.34
United States	32.92	33.37	34.19	34.19	10.51	10.79	11.27	10.96	345.96	360.25	385.21	374.68	-10.53	-2.73	14.43	4.00
Total Foreign	161.27	163.93	165.45	165.74	4.79	4.61	4.89	4.90	772.60	755.16	809.59	811.44	1.85	0.23	56.28	7.45
China	41.28	41.26	42.00	42.00	6.32	6.32	6.38	6.38	260.78	260.67	268.00	268.00	0.00	0.00	7.33	2.81
South America																
Brazil	18.50	19.83	20.80	20.80	5.51	4.39	5.67	5.67	102.00	87.00	118.00	118.00	0.00	0.00	31.00	35.63
Argentina	6.30	6.20	6.25	6.25	8.10	7.82	8.16	8.16	51.00	48.50	51.00	51.00	0.00	0.00	2.50	5.15
Bolivia	0.42	0.47	0.48	0.48	2.26	2.30	2.32	2.32	0.96	1.08	1.10	1.10	0.00	0.00	0.02	1.85
European Union	8.91	9.04	8.90	8.85	7.49	7.13	7.49	7.40	66.74	64.47	66.70	65.50	-1.20	-1.80	1.03	1.60
Africa																
South Africa	2.91	3.12	3.10	3.10	5.45	5.51	5.48	5.48	15.84	17.20	17.00	17.00	0.00	0.00	-0.20	-1.16
Nigeria	6.50	5.50	6.00	6.00	1.69	1.82	1.83	1.83	11.00	10.00	11.00	11.00	0.00	0.00	1.00	10.00
Ethiopia	2.30	2.30	2.30	2.30	3.70	3.74	3.74	3.74	8.50	8.60	8.60	8.60	0.00	0.00	0.00	0.00
Egypt	0.80	0.80	0.80	0.80	8.00	8.00	8.00	8.00	6.40	6.40	6.40	6.40	0.00	0.00	0.00	0.00
Tanzania	3.43	4.20	4.10	4.10	1.65	1.50	1.59	1.59	5.65	6.30	6.50	6.50	0.00	0.00	0.20	3.17
Malawi	1.70	1.70	1.70	1.70	1.78	2.22	2.47	2.47	3.03	3.78	4.20	4.20	0.00	0.00	0.42	11.11
Zambia	0.84	1.29	1.30	1.30	2.38	2.62	2.78	2.78	2.00	3.39	3.62	3.62	0.00	0.00	0.23	6.88
Kenya	2.20	2.20	2.20	2.20	1.77	1.82	1.82	1.82	3.90	4.00	4.00	4.00	0.00	0.00	0.00	0.00
Uganda	0.95	1.10	1.10	1.10	2.71	2.50	2.55	2.55	2.58	2.75	2.80	2.80	0.00	0.00	0.05	1.82
Zimbabwe	1.62	1.58	1.95	1.95	0.48	0.57	1.39	1.39	0.78	0.91	2.72	2.72	0.00	0.00	1.81	199.23
Former Soviet Union - 12																
Ukraine	4.99	5.40	5.50	5.42	7.19	5.62	6.82	7.20	35.89	30.30	37.50	39.00	1.50	4.00	8.70	28.73
Russia	2.50	2.73	2.80	3.00	5.70	5.08	5.50	5.50	14.28	13.87	15.40	16.50	1.10	7.14	2.63	18.94
South Asia																
India	9.57	9.70	9.50	9.70	3.01	3.12	3.11	3.09	28.77	30.25	29.50	30.00	0.50	1.69	-0.25	-0.83
Pakistan	1.41	1.39	1.40	1.40	5.12	5.63	5.43	5.43	7.24	7.80	7.60	7.60	0.00	0.00	-0.20	-2.56
Nepal	0.96	0.97	0.97	0.97	2.76	2.82	2.82	2.82	2.65	2.72	2.72	2.72	0.00	0.00	0.00	0.00
Southeast Asia																
Indonesia	3.80	3.60	3.60	3.60	3.16	3.28	3.33	3.33	12.00	11.80	12.00	12.00	0.00	0.00	0.20	1.69
Philippines	2.51	2.57	2.50	2.50	3.20	3.25	3.20	3.20	8.03	8.37	8.00	8.00	0.00	0.00	-0.37	-4.40
Vietnam	0.99	0.95	0.90	0.90	4.80	4.83	4.89	4.89	4.76	4.59	4.40	4.40	0.00	0.00	-0.19	-4.14
Thailand	1.22	1.26	1.20	1.20	3.70	4.46	4.50	4.50	4.50	5.60	5.40	5.40	0.00	0.00	-0.20	-3.57
Mexico	6.62	7.14	7.30	7.30	4.03	3.78	3.84	3.84	26.66	27.00	28.00	28.00	0.00	0.00	1.00	3.70
Canada	1.45	1.41	1.35	1.35	9.24	9.63	9.85	10.07	13.40	13.56	13.30	13.60	0.30	2.26	0.04	0.27
Turkey	0.52	0.62	0.54	0.54	11.54	11.45	11.48	11.76	6.00	7.10	6.20	6.35	0.15	2.42	-0.75	-10.56
Others	26.06	25.62	24.92	24.94	2.58	2.62	2.73	2.70	67.29	67.15	67.93	67.43	-0.50	-0.74	0.28	0.42

World and Selected Countries and Regions

Table 05 Barley Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	52.36	51.76	50.90	50.01	3.01	3.10	3.02	2.99	157.82	160.27	153.47	149.43	-4.04	-2.63	-10.84	-6.76
United States	0.90	0.86	0.83	0.83	4.18	4.17	3.01	2.78	3.76	3.60	2.49	2.30	-0.19	-7.64	-1.30	-36.17
Total Foreign	51.46	50.90	50.07	49.19	2.99	3.08	3.02	2.99	154.06	156.67	150.98	147.14	-3.85	-2.55	-9.53	-6.09
European Union	11.17	11.41	11.03	10.98	4.95	4.86	4.97	4.96	55.27	55.49	54.80	54.40	-0.40	-0.73	-1.09	-1.97
United Kingdom	1.16	1.39	1.15	1.14	6.93	5.85	6.18	6.32	8.05	8.12	7.08	7.20	0.13	1.77	-0.92	-11.30
Former Soviet Union - 12																
Russia	8.40	8.16	7.90	7.75	2.37	2.53	2.46	2.45	19.94	20.63	19.40	19.00	-0.40	-2.06	-1.63	-7.90
Ukraine	2.78	2.58	2.55	2.70	3.42	3.08	3.61	3.70	9.53	7.95	9.20	10.00	0.80	8.70	2.05	25.83
Kazakhstan	2.98	2.73	2.90	2.20	1.29	1.34	1.28	1.14	3.83	3.66	3.70	2.50	-1.20	-32.43	-1.16	-31.68
Belarus	0.41	0.38	0.35	0.35	2.69	2.76	2.57	2.57	1.10	1.05	0.90	0.90	0.00	0.00	-0.15	-14.29
Azerbaijan	0.34	0.35	0.37	0.37	2.97	2.81	2.74	2.74	1.02	0.97	1.00	1.00	0.00	0.00	0.03	3.09
Canada	2.73	2.81	3.00	3.00	3.81	3.82	3.77	2.93	10.38	10.74	11.30	8.80	-2.50	-22.12	-1.94	-18.07
Australia	5.04	4.40	4.20	4.20	2.01	2.95	2.50	2.62	10.13	13.00	10.50	11.00	0.50	4.76	-2.00	-15.38
Middle East																
Turkey	3.80	3.80	3.80	3.70	2.08	2.13	1.63	1.35	7.90	8.10	6.20	5.00	-1.20	-19.35	-3.10	-38.27
Iran	1.70	1.70	1.70	1.70	2.12	2.21	1.76	1.76	3.60	3.75	3.00	3.00	0.00	0.00	-0.75	-20.00
Iraq	1.20	1.20	1.10	1.10	1.33	1.29	1.18	1.18	1.60	1.55	1.30	1.30	0.00	0.00	-0.25	-16.13
Syria	1.50	1.50	1.30	1.30	1.33	1.27	0.85	0.85	2.00	1.90	1.10	1.10	0.00	0.00	-0.80	-42.11
Africa																
Ethiopia	1.00	1.00	1.00	1.00	2.30	2.35	2.35	2.35	2.30	2.35	2.35	2.35	0.00	0.00	0.00	0.00
Morocco	1.05	1.47	1.49	1.49	1.11	0.44	1.61	1.87	1.16	0.64	2.40	2.78	0.38	15.83	2.14	334.38
Algeria	1.03	1.03	1.03	1.03	1.95	1.80	1.56	1.56	2.00	1.85	1.60	1.60	0.00	0.00	-0.25	-13.28
Tunisia	0.47	0.36	0.37	0.37	1.94	1.28	1.77	1.77	0.91	0.47	0.65	0.65	0.00	0.00	0.19	39.78
South Africa	0.13	0.14	0.15	0.10	2.61	4.14	3.45	3.60	0.35	0.59	0.50	0.36	-0.14	-28.00	-0.23	-38.78
South America																
Argentina	1.12	1.09	1.25	1.25	3.39	4.13	3.84	3.84	3.80	4.50	4.80	4.80	0.00	0.00	0.30	6.67
Uruguay	0.17	0.19	0.19	0.20	3.68	4.81	3.73	4.30	0.61	0.89	0.69	0.86	0.17	24.64	-0.03	-3.37
Brazil	0.12	0.10	0.10	0.10	3.61	3.63	3.74	3.74	0.43	0.37	0.39	0.39	0.00	0.00	0.01	2.94
India																
India	0.58	0.59	0.60	0.60	2.84	2.92	2.75	2.75	1.63	1.72	1.65	1.65	0.00	0.00	-0.07	-4.07
China																
China	0.26	0.26	0.25	0.25	3.46	3.46	3.60	3.60	0.90	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Mexico																
Mexico	0.36	0.30	0.34	0.34	2.81	3.05	2.82	2.82	1.01	0.90	0.96	0.96	0.00	0.00	0.06	6.67
Afghanistan																
Afghanistan	0.18	0.17	0.16	0.16	1.39	1.41	1.25	1.25	0.25	0.24	0.20	0.20	0.00	0.00	-0.04	-16.67
Others																
Others	1.79	1.80	1.82	1.82	2.45	2.42	2.43	2.44	4.38	4.35	4.42	4.44	0.02	0.45	0.09	2.00

World and Selected Countries and Regions

Table 06 Oats Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	9.55	10.01	9.84	9.56	2.43	2.55	2.46	2.46	23.21	25.53	24.23	23.55	-0.67	-2.78	-1.97	-7.73
United States	0.34	0.41	0.29	0.29	2.31	2.34	2.05	2.06	0.77	0.95	0.60	0.60	0.00	0.17	-0.35	-36.67
Total Foreign	9.21	9.61	9.54	9.26	2.44	2.56	2.48	2.48	22.44	24.58	23.63	22.95	-0.68	-2.86	-1.62	-6.61
European Union	2.37	2.58	2.50	2.60	2.94	3.29	2.98	3.15	6.96	8.49	7.45	8.20	0.75	10.07	-0.29	-3.38
Former Soviet Union - 12																
Russia	2.43	2.33	2.40	2.20	1.82	1.77	1.88	1.86	4.42	4.13	4.50	4.10	-0.40	-8.89	-0.03	-0.65
Ukraine	0.18	0.20	0.19	0.18	2.32	2.54	2.50	2.50	0.43	0.52	0.48	0.45	-0.03	-5.26	-0.07	-12.62
Belarus	0.16	0.15	0.16	0.16	2.30	2.47	2.34	2.34	0.37	0.37	0.38	0.38	0.00	0.00	0.01	1.35
Kazakhstan	0.24	0.23	0.25	0.20	1.10	1.05	1.10	1.00	0.27	0.24	0.28	0.20	-0.08	-27.27	-0.04	-16.67
Canada	1.17	1.31	1.10	1.10	3.62	3.48	3.55	2.82	4.23	4.58	3.90	3.10	-0.80	-20.51	-1.48	-32.26
South America																
Argentina	0.32	0.24	0.30	0.30	1.86	2.13	2.30	2.30	0.60	0.51	0.69	0.69	0.00	0.00	0.18	35.29
Brazil	0.40	0.43	0.43	0.43	2.21	1.99	2.18	2.18	0.88	0.85	0.93	0.93	0.00	0.00	0.08	9.57
Chile	0.10	0.11	0.11	0.11	4.92	5.00	5.45	5.45	0.48	0.57	0.60	0.60	0.00	0.00	0.04	6.19
Uruguay	0.02	0.02	0.02	0.02	2.19	2.20	2.33	2.33	0.04	0.03	0.04	0.04	0.00	0.00	0.00	6.06
Oceania																
Australia	0.82	0.95	0.90	0.90	1.40	1.76	1.72	1.72	1.14	1.68	1.55	1.55	0.00	0.00	-0.13	-7.46
New Zealand	0.01	0.00	0.00	0.00	5.40	6.00	6.00	6.00	0.03	0.02	0.02	0.02	0.00	0.00	0.00	0.00
China	0.41	0.41	0.53	0.41	1.48	1.48	1.19	1.48	0.60	0.60	0.63	0.60	-0.03	-4.00	0.00	0.00
Africa																
Algeria	0.09	0.09	0.09	0.09	1.29	1.29	1.29	1.29	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Morocco	0.01	0.04	0.04	0.04	0.62	0.88	1.13	1.13	0.01	0.04	0.05	0.05	0.00	0.00	0.01	28.57
South Africa	0.02	0.03	0.02	0.02	0.81	2.15	1.50	1.50	0.02	0.06	0.03	0.03	0.00	0.00	-0.03	-46.43
Other Europe																
United Kingdom	0.18	0.21	0.22	0.22	5.91	4.91	5.58	5.12	1.08	1.03	1.20	1.10	-0.10	-8.33	0.07	6.69
Norway	0.07	0.07	0.07	0.07	4.29	4.29	4.29	4.29	0.30	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Serbia	0.03	0.03	0.03	0.03	2.17	2.17	2.17	2.17	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Albania	0.02	0.01	0.01	0.01	2.06	2.14	2.14	2.14	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Bosnia and Herzegovina	0.01	0.01	0.01	0.01	2.70	3.09	2.82	2.82	0.03	0.03	0.03	0.03	0.00	0.00	0.00	-8.82
Turkey	0.10	0.10	0.11	0.11	2.30	2.40	2.38	2.38	0.23	0.24	0.25	0.25	0.00	0.00	0.01	4.17
Mexico	0.05	0.03	0.05	0.05	1.98	2.00	2.00	2.00	0.10	0.06	0.09	0.09	0.00	0.00	0.03	50.00
Others	0.03	0.03	0.03	0.03	1.67	1.66	1.76	1.76	0.05	0.05	0.05	0.05	0.00	0.00	0.00	6.25

World and Selected Countries and Regions

Table 07 Rye Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	4.04	4.25	4.18	4.25	3.04	3.37	3.13	3.21	12.26	14.30	13.07	13.66	0.59	4.52	-0.64	-4.48
United States	0.13	0.13	0.15	0.15	2.16	2.19	2.09	2.09	0.27	0.29	0.31	0.31	0.00	0.00	0.01	4.78
Total Foreign	3.91	4.11	4.03	4.10	3.07	3.41	3.17	3.25	11.99	14.00	12.76	13.35	0.59	4.62	-0.65	-4.67
European Union	2.21	2.22	2.20	2.18	3.80	4.10	3.77	4.11	8.40	9.12	8.30	8.95	0.65	7.83	-0.17	-1.86
Former Soviet Union - 12																
Russia	0.82	0.97	0.95	1.03	1.73	2.44	2.16	1.95	1.42	2.38	2.05	2.00	-0.05	-2.44	-0.38	-15.82
Belarus	0.32	0.30	0.25	0.25	2.37	3.00	2.80	2.80	0.76	0.90	0.70	0.70	0.00	0.00	-0.20	-22.22
Ukraine	0.12	0.14	0.17	0.18	2.90	3.28	3.21	3.29	0.34	0.46	0.53	0.58	0.05	8.49	0.12	25.27
Kazakhstan	0.02	0.02	0.03	0.04	1.00	1.25	1.20	1.00	0.02	0.03	0.03	0.04	0.01	33.33	0.01	33.33
Turkey	0.11	0.11	0.12	0.12	2.91	2.91	2.87	2.87	0.32	0.32	0.33	0.33	0.00	0.00	0.01	3.13
Canada	0.10	0.15	0.16	0.16	3.23	3.19	3.19	2.81	0.33	0.49	0.51	0.45	-0.06	-11.76	-0.04	-7.79
South America																
Chile	0.00	0.00	0.00	0.00	5.00	5.00	5.00	5.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Argentina	0.11	0.09	0.07	0.07	2.00	1.50	2.05	2.00	0.22	0.14	0.14	0.13	-0.01	-3.70	-0.01	-3.70
Other Europe																
Bosnia and Herzegovina	0.00	0.00	0.00	0.00	2.50	3.67	3.00	3.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	-18.18
Switzerland	0.00	0.00	0.00	0.00	5.50	5.50	5.50	5.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Serbia	0.00	0.00	0.00	0.00	2.50	2.50	2.50	2.50	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
Australia	0.04	0.04	0.04	0.04	0.68	0.68	0.68	0.68	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Others	0.04	0.04	0.04	0.04	2.51	2.48	2.50	2.50	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.92

World and Selected Countries and Regions

Table 08 Sorghum Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	40.53	40.85	41.80	41.77	1.44	1.52	1.54	1.55	58.28	62.26	64.50	64.63	0.13	0.20	2.37	3.81
United States	1.89	2.06	2.34	2.34	4.58	4.59	4.33	4.44	8.67	9.47	10.14	10.40	0.26	2.60	0.93	9.76
Total Foreign	38.64	38.79	39.46	39.43	1.28	1.36	1.38	1.38	49.61	52.78	54.37	54.23	-0.14	-0.25	1.45	2.74
Africa																
Nigeria	5.90	5.60	5.70	5.70	1.13	1.17	1.19	1.19	6.67	6.57	6.80	6.80	0.00	0.00	0.23	3.50
Ethiopia	1.83	1.85	1.87	1.87	2.88	2.81	2.78	2.78	5.27	5.20	5.20	5.20	0.00	0.00	0.00	0.00
Sudan	6.83	7.00	7.00	7.00	0.54	0.71	0.71	0.71	3.71	5.00	5.00	5.00	0.00	0.00	0.00	0.00
Burkina Faso	1.89	1.80	1.80	1.80	0.99	0.87	0.94	0.94	1.87	1.56	1.70	1.70	0.00	0.00	0.14	8.97
Mali	1.50	1.83	1.50	1.50	1.01	0.98	1.00	1.00	1.51	1.80	1.50	1.50	0.00	0.00	-0.30	-16.71
Niger	3.75	3.70	3.70	3.70	0.51	0.52	0.51	0.51	1.90	1.92	1.90	1.90	0.00	0.00	-0.02	-1.14
Cameroon	0.73	0.74	0.74	0.74	1.67	1.62	1.62	1.62	1.22	1.20	1.20	1.20	0.00	0.00	0.00	0.00
Tanzania	0.65	0.70	0.70	0.70	1.13	1.07	1.07	1.07	0.73	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Egypt	0.14	0.14	0.14	0.14	5.36	5.36	5.36	5.36	0.75	0.75	0.75	0.75	0.00	0.00	0.00	0.00
Uganda	0.42	0.43	0.43	0.43	0.95	0.94	0.94	0.94	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
Ghana	0.30	0.25	0.25	0.25	1.15	1.42	1.12	1.12	0.35	0.36	0.28	0.28	0.00	0.00	-0.08	-21.35
Mozambique	0.30	0.30	0.25	0.25	1.08	0.97	0.70	0.70	0.33	0.29	0.18	0.18	0.00	0.00	-0.12	-39.66
South Africa	0.04	0.05	0.05	0.05	3.67	4.18	3.78	3.78	0.16	0.21	0.17	0.17	0.00	0.00	-0.04	-17.07
Mexico	1.38	1.29	1.42	1.42	3.14	3.10	3.31	3.31	4.33	4.00	4.70	4.70	0.00	0.00	0.70	17.50
South America																
Argentina	0.58	0.89	0.95	0.95	4.35	3.84	4.37	4.37	2.50	3.40	4.15	4.15	0.00	0.00	0.75	22.06
Brazil	0.84	0.88	0.90	0.90	2.99	3.12	3.00	3.00	2.50	2.73	2.70	2.70	0.00	0.00	-0.03	-1.17
South Asia																
India	4.82	4.10	4.80	4.80	0.99	1.17	0.96	0.96	4.77	4.80	4.60	4.60	0.00	0.00	-0.20	-4.17
Pakistan	0.24	0.25	0.26	0.26	0.58	0.58	0.59	0.59	0.14	0.15	0.15	0.15	0.00	0.00	0.01	3.45
China	0.75	0.73	0.73	0.73	4.80	4.86	4.93	4.93	3.60	3.55	3.60	3.60	0.00	0.00	0.05	1.41
Australia	0.20	0.51	0.53	0.53	1.46	2.65	3.02	3.02	0.30	1.35	1.60	1.60	0.00	0.00	0.25	18.52
European Union	0.16	0.19	0.19	0.17	5.30	5.20	5.53	5.59	0.85	1.00	1.05	0.95	-0.10	-9.52	-0.05	-5.28
Others	5.40	5.57	5.57	5.56	1.07	1.04	1.08	1.07	5.78	5.80	5.99	5.96	-0.04	-0.58	0.16	2.71

World and Selected Countries and Regions

Table 09 Rice Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	160.41	162.57	162.90	163.05	4.63	4.64	4.64	4.65	497.83	505.81	506.04	507.45	1.41	0.28	1.64	0.32
United States	1.00	1.21	1.06	1.06	8.38	8.54	8.54	8.45	5.88	7.23	6.33	6.27	-0.06	-1.00	-0.96	-13.29
Total Foreign	159.41	161.36	161.84	161.99	4.61	4.61	4.61	4.62	491.95	498.58	499.71	501.18	1.47	0.29	2.60	0.52
East Asia																
China	29.69	30.08	30.00	30.00	7.06	7.04	7.10	7.10	146.73	148.30	149.00	149.00	0.00	0.00	0.70	0.47
Japan	1.54	1.53	1.53	1.53	6.78	6.78	6.83	6.83	7.61	7.57	7.58	7.58	0.00	0.00	0.01	0.17
Korea, South	0.73	0.73	0.72	0.72	6.87	6.49	7.01	7.01	3.74	3.51	3.77	3.77	0.00	0.00	0.26	7.50
Korea, North	0.50	0.50	0.50	0.50	4.18	4.18	4.18	4.18	1.36	1.36	1.36	1.36	0.00	0.00	0.00	0.00
South Asia																
India	43.66	44.40	44.40	44.40	4.08	4.12	4.09	4.09	118.87	122.00	121.00	121.00	0.00	0.00	-1.00	-0.82
Bangladesh	11.83	11.50	11.65	11.68	4.55	4.51	4.55	4.66	35.85	34.60	35.33	36.25	0.92	2.60	1.65	4.77
Pakistan	3.03	3.38	3.30	3.30	3.67	3.63	3.73	3.73	7.41	8.18	8.20	8.20	0.00	0.00	0.02	0.20
Nepal	1.46	1.47	1.48	1.48	3.80	3.78	3.77	3.77	3.70	3.70	3.70	3.70	0.00	0.00	0.00	0.11
Sri Lanka	0.97	1.09	1.00	1.10	4.85	4.66	4.72	4.64	3.21	3.45	3.21	3.47	0.26	8.04	0.02	0.52
Southeast Asia																
Indonesia	11.60	11.80	11.80	11.80	4.71	4.71	4.71	4.72	34.70	35.30	35.30	35.35	0.05	0.14	0.05	0.14
Vietnam	7.38	7.36	7.30	7.35	5.88	5.96	5.90	5.90	27.10	27.44	26.90	27.10	0.20	0.74	-0.34	-1.23
Thailand	9.89	10.40	10.50	10.50	2.70	2.74	2.81	2.81	17.66	18.83	19.50	19.50	0.00	0.00	0.67	3.56
Burma	6.90	6.90	7.00	7.00	2.86	2.85	2.86	2.86	12.65	12.60	12.80	12.80	0.00	0.00	0.20	1.59
Philippines	4.64	4.76	4.75	4.75	4.08	4.15	4.11	4.11	11.93	12.46	12.30	12.30	0.00	0.00	-0.16	-1.28
Cambodia	3.26	3.27	3.30	3.30	2.89	2.90	2.93	2.93	5.74	5.78	5.90	5.90	0.00	0.00	0.12	2.02
Laos	0.84	0.96	0.97	0.97	3.01	3.14	3.19	3.19	1.60	1.90	1.95	1.95	0.00	0.00	0.05	2.63
Malaysia	0.70	0.68	0.68	0.68	4.01	4.07	4.07	4.07	1.83	1.80	1.80	1.80	0.00	0.00	0.00	0.00
South America																
Brazil	1.67	1.68	1.70	1.70	6.71	7.00	6.88	6.94	7.60	8.00	7.96	8.02	0.07	0.85	0.02	0.29
Peru	0.42	0.42	0.43	0.43	7.68	7.76	7.92	7.92	2.20	2.25	2.35	2.35	0.00	0.00	0.10	4.44
Africa																
Egypt	0.76	0.70	0.60	0.60	8.20	8.28	8.33	8.33	4.30	4.00	3.45	3.45	0.00	0.00	-0.55	-13.75
Madagascar	1.40	1.40	1.40	1.40	3.02	2.86	2.57	2.57	2.71	2.56	2.30	2.30	0.00	0.00	-0.26	-10.00
Nigeria	3.50	3.60	3.65	3.65	2.29	2.16	2.17	2.17	5.04	4.89	5.00	5.00	0.00	0.00	0.11	2.25
European Union	0.42	0.42	0.41	0.41	6.86	6.70	6.71	6.71	1.99	1.95	1.89	1.89	0.00	0.00	-0.06	-3.02
Iran	0.58	0.58	0.58	0.58	5.25	5.27	5.27	5.27	1.99	2.00	2.00	2.00	0.00	0.00	0.00	0.00
Others	12.05	11.77	12.21	12.18	3.08	3.11	3.12	3.13	24.45	24.15	25.16	25.13	-0.03	-0.11	0.98	4.05

Yield is on a rough basis, before the milling process. Production is on a milled basis, after the milling process.

Table 10 Total Oilseed Area, Yield, and Production

World and Selected Countries and Regions

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World Total	--	--	--	--	--	--	--	--	581.30	599.91	635.41	629.52	-5.89	-0.93	29.62	4.94
Total Foreign	--	--	--	--	--	--	--	--	474.32	477.56	504.95	501.38	-3.57	-0.71	23.82	4.99
Oilseed, Copra	--	--	--	--	--	--	--	--	5.66	5.56	5.98	5.82	-0.16	-2.71	0.26	4.62
Oilseed, Palm Kernel	--	--	--	--	--	--	--	--	19.29	19.06	19.76	19.93	0.17	0.86	0.87	4.57
Major OilSeeds	246.17	251.43	259.75	260.00	2.26	2.29	2.35	2.32	556.35	575.29	609.67	603.78	-5.89	-0.97	28.49	4.95
United States	36.83	38.72	41.32	41.26	2.91	3.16	3.16	3.11	106.98	122.35	130.46	128.15	-2.31	-1.77	5.80	4.74
Foreign Oilseeds	209.34	212.71	218.44	218.74	2.15	2.13	2.19	2.17	449.37	452.94	479.21	475.63	-3.58	-0.75	22.69	5.01
South America	63.80	65.01	68.33	68.23	3.18	3.19	3.27	3.27	203.09	207.52	223.15	222.90	-0.25	-0.11	15.39	7.41
Brazil	38.77	40.17	42.21	42.11	3.45	3.52	3.53	3.54	133.78	141.26	149.15	148.90	-0.25	-0.17	7.64	5.41
Argentina	19.03	18.79	19.59	19.59	2.82	2.69	2.92	2.92	53.64	50.48	57.13	57.13	0.00	0.00	6.65	13.17
Paraguay	3.37	3.24	3.54	3.54	3.02	3.09	3.00	3.00	10.21	10.02	10.62	10.62	0.00	0.00	0.60	6.00
Bolivia	1.49	1.51	1.53	1.53	2.00	2.09	2.07	2.07	2.99	3.15	3.16	3.16	0.00	0.00	0.01	0.44
Uruguay	0.98	1.17	1.32	1.32	2.14	1.92	2.06	2.06	2.09	2.24	2.72	2.72	0.00	0.00	0.48	21.48
China	25.22	25.92	25.35	25.35	2.50	2.56	2.55	2.55	63.03	66.26	64.60	64.60	0.00	0.00	-1.66	-2.50
South Asia	41.30	43.41	42.72	42.62	0.96	0.94	0.98	0.98	39.47	40.96	41.83	41.83	0.00	0.00	0.87	2.13
India	37.85	40.15	39.65	39.55	0.94	0.94	0.97	0.97	35.62	37.85	38.50	38.50	0.00	0.00	0.65	1.72
Pakistan	3.08	2.90	2.70	2.70	1.10	0.92	1.07	1.07	3.40	2.66	2.89	2.89	0.00	0.00	0.23	8.53
European Union	10.65	10.80	10.90	10.94	2.62	2.61	2.79	2.78	27.94	28.21	30.38	30.37	0.00	-0.01	2.16	7.67
United Kingdom	0.50	0.38	0.32	0.32	3.38	2.77	3.41	3.41	1.68	1.05	1.08	1.08	0.00	0.00	0.03	2.38
Former Soviet Union - 12	26.07	25.72	27.07	27.03	1.96	1.73	1.91	1.91	51.10	44.53	51.76	51.63	-0.13	-0.24	7.10	15.94
Russia	12.56	12.50	13.90	13.80	1.73	1.61	1.69	1.66	21.70	20.14	23.55	22.85	-0.70	-2.97	2.71	13.44
Ukraine	9.70	9.65	9.48	9.48	2.52	2.06	2.46	2.51	24.46	19.85	23.30	23.80	0.50	2.15	3.95	19.90
Uzbekistan	1.02	0.99	0.98	1.00	1.39	1.43	1.36	1.31	1.43	1.42	1.33	1.30	-0.03	-2.25	-0.12	-8.18
Canada	10.76	10.41	11.13	10.83	2.40	2.45	2.37	2.05	25.82	25.45	26.37	22.16	-4.21	-15.97	-3.30	-12.95
Africa	22.75	22.32	23.02	23.76	1.03	1.04	1.01	1.02	23.52	23.21	23.30	24.20	0.91	3.89	0.99	4.27
Nigeria	4.32	4.62	4.47	4.97	1.38	1.22	1.21	1.25	5.96	5.65	5.43	6.20	0.78	14.29	0.55	9.73
South Africa	1.27	1.37	1.45	1.45	1.70	2.01	1.87	1.87	2.16	2.75	2.71	2.71	0.00	0.00	-0.04	-1.49
Tanzania	1.60	1.45	1.55	1.60	0.85	0.82	0.85	0.85	1.36	1.19	1.32	1.36	0.04	3.18	0.17	14.27
Southeast Asia	3.12	3.25	3.20	3.20	1.38	1.36	1.37	1.37	4.30	4.41	4.38	4.38	0.00	0.00	-0.04	-0.79
Burma	1.87	2.03	2.04	2.04	1.18	1.17	1.19	1.19	2.21	2.37	2.42	2.42	0.00	0.00	0.04	1.81
Indonesia	0.95	0.94	0.89	0.89	1.55	1.54	1.55	1.55	1.47	1.45	1.39	1.39	0.00	0.00	-0.06	-4.15
Australia	2.12	2.73	3.46	3.53	1.19	1.81	1.60	1.65	2.53	4.93	5.55	5.80	0.25	4.52	0.87	17.69
Turkey	1.42	1.18	1.31	1.31	2.33	2.46	2.49	2.49	3.31	2.89	3.27	3.27	0.00	0.00	0.38	13.06
Others	1.65	1.59	1.64	1.64	2.17	2.20	2.17	2.08	3.58	3.51	3.56	3.41	-0.15	-4.22	-0.11	-3.02

World Total and Total Foreign: (Major Oilseeds plus copra and palm kernel) Major Oilseeds: (soybeans, sunflowerseeds, peanuts(inshell), cottonseed and rapeseed)

Table 11 Soybean Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	122.69	127.81	132.42	132.52	2.77	2.84	2.91	2.89	339.70	363.26	385.22	383.63	-1.59	-0.41	20.38	5.61
United States	30.33	33.31	35.09	35.09	3.19	3.38	3.42	3.36	96.67	112.55	119.88	118.08	-1.80	-1.50	5.54	4.92
Total Foreign	92.36	94.49	97.32	97.43	2.63	2.65	2.73	2.73	243.03	250.71	265.34	265.55	0.21	0.08	14.84	5.92
South America																
Brazil	36.90	38.60	40.40	40.40	3.48	3.55	3.56	3.56	128.50	137.00	144.00	144.00	0.00	0.00	7.00	5.11
Argentina	16.70	16.60	17.20	17.20	2.92	2.77	3.02	3.02	48.80	46.00	52.00	52.00	0.00	0.00	6.00	13.04
Paraguay	3.30	3.15	3.45	3.45	3.06	3.14	3.04	3.04	10.10	9.90	10.50	10.50	0.00	0.00	0.60	6.06
Bolivia	1.36	1.39	1.40	1.40	2.08	2.17	2.14	2.14	2.83	3.00	3.00	3.00	0.00	0.00	0.00	0.00
Uruguay	0.92	1.10	1.25	1.25	2.17	1.93	2.08	2.08	1.99	2.13	2.60	2.60	0.00	0.00	0.48	22.35
East Asia																
China	9.30	9.87	9.60	9.60	1.95	1.99	1.98	1.98	18.10	19.60	19.00	19.00	0.00	0.00	-0.60	-3.06
Korea, South	0.06	0.06	0.06	0.06	1.81	1.47	1.71	1.71	0.11	0.08	0.09	0.09	0.00	0.00	0.01	16.05
Korea, North	0.15	0.15	0.15	0.15	1.50	1.50	1.50	1.50	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Japan	0.14	0.14	0.15	0.15	1.47	1.65	1.66	1.66	0.21	0.24	0.24	0.24	0.00	0.00	0.01	2.55
India	12.19	12.70	12.70	12.70	0.76	0.82	0.88	0.88	9.30	10.45	11.20	11.20	0.00	0.00	0.75	7.18
Canada	2.27	2.04	2.10	2.10	2.71	3.11	2.90	2.90	6.15	6.35	6.10	6.10	0.00	0.00	-0.25	-3.94
Former Soviet Union - 12																
Russia	2.78	2.71	2.90	2.90	1.57	1.59	1.59	1.59	4.36	4.31	4.60	4.60	0.00	0.00	0.29	6.80
Ukraine	1.96	1.46	1.50	1.40	2.29	2.05	2.33	2.43	4.50	3.00	3.50	3.40	-0.10	-2.86	0.40	13.33
European Union	0.90	0.94	0.98	0.98	2.90	2.74	2.87	2.87	2.62	2.58	2.80	2.80	0.00	0.00	0.23	8.74
Southeast Asia																
Indonesia	0.40	0.39	0.35	0.35	1.20	1.22	1.21	1.21	0.48	0.48	0.43	0.43	0.00	0.00	-0.05	-10.53
Vietnam	0.04	0.04	0.03	0.03	1.57	1.57	1.67	1.67	0.07	0.06	0.05	0.05	0.00	0.00	-0.01	-9.09
Thailand	0.03	0.03	0.03	0.03	1.53	1.63	1.63	1.63	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Burma	0.14	0.14	0.13	0.13	1.04	1.04	1.04	1.04	0.14	0.14	0.14	0.14	0.00	0.00	-0.01	-3.57
Serbia	0.22	0.22	0.22	0.22	2.73	2.89	2.84	2.50	0.60	0.64	0.63	0.55	-0.08	-12.00	-0.09	-13.39
Mexico	0.15	0.16	0.19	0.19	1.57	1.57	1.58	1.58	0.24	0.25	0.30	0.30	0.00	0.00	0.06	22.45
Africa																
South Africa	0.71	0.83	0.85	0.85	1.77	2.31	2.06	2.06	1.25	1.92	1.75	1.75	0.00	0.00	-0.17	-8.85
Nigeria	1.04	1.10	1.00	1.20	1.11	0.95	0.88	1.04	1.15	1.05	0.88	1.25	0.38	42.86	0.20	19.05
Zambia	0.20	0.19	0.19	0.19	1.43	1.50	1.50	1.50	0.28	0.29	0.29	0.29	0.00	0.00	0.00	0.00
Uganda	0.05	0.05	0.05	0.05	0.60	0.60	0.60	0.60	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Middle East																
Iran	0.07	0.07	0.07	0.07	2.43	2.41	2.29	2.29	0.17	0.17	0.16	0.16	0.00	0.00	-0.01	-5.33
Turkey	0.03	0.03	0.03	0.03	3.89	3.79	3.67	3.67	0.11	0.11	0.11	0.11	0.00	0.00	0.00	0.00
Others	0.35	0.36	0.36	0.36	1.95	1.94	1.92	1.93	0.69	0.70	0.68	0.69	0.01	1.46	0.00	-0.43

World and Selected Countries and Regions

Table 12 Cottonseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	34.24	30.87	32.69	32.70	1.30	1.34	1.34	1.32	44.42	41.24	43.78	43.22	-0.56	-1.28	1.98	4.80
United States	4.65	3.35	4.25	4.19	1.16	1.22	1.25	1.14	5.39	4.09	5.31	4.78	-0.53	-9.98	0.69	16.89
Total Foreign	29.59	27.52	28.44	28.51	1.32	1.35	1.35	1.35	39.02	37.15	38.47	38.44	-0.03	-0.08	1.29	3.47
South Asia																
India	13.50	13.00	13.00	12.90	0.93	0.92	0.95	0.95	12.52	12.02	12.31	12.31	0.00	0.00	0.30	2.47
Pakistan	2.45	2.20	2.00	2.00	1.10	0.89	1.08	1.08	2.69	1.95	2.17	2.17	0.00	0.00	0.22	11.13
China	3.45	3.25	3.10	3.10	3.10	3.50	3.39	3.39	10.68	11.37	10.50	10.50	0.00	0.00	-0.87	-7.61
Former Soviet Union - 12																
Uzbekistan	1.01	0.98	0.98	0.98	1.36	1.41	1.36	1.28	1.37	1.37	1.33	1.25	-0.08	-5.86	-0.12	-8.53
Turkmenistan	0.55	0.55	0.55	0.55	0.66	0.66	0.64	0.64	0.36	0.36	0.35	0.35	0.00	0.00	-0.01	-2.22
Tajikistan	0.18	0.16	0.17	0.17	1.27	1.22	1.15	1.15	0.23	0.20	0.20	0.20	0.00	0.00	0.00	0.00
Kazakhstan	0.13	0.11	0.12	0.12	1.13	0.95	0.93	0.90	0.14	0.11	0.11	0.10	0.00	-3.74	0.00	-1.90
South America																
Brazil	1.67	1.37	1.60	1.50	2.75	2.61	2.75	2.77	4.58	3.57	4.40	4.15	-0.25	-5.66	0.58	16.28
Argentina	0.42	0.44	0.42	0.42	0.68	0.67	0.70	0.70	0.28	0.29	0.29	0.29	0.00	0.00	0.00	1.03
Middle East																
Turkey	0.57	0.35	0.45	0.45	1.98	2.71	2.47	2.47	1.13	0.95	1.11	1.11	0.00	0.00	0.16	17.21
Syria	0.03	0.03	0.03	0.03	2.36	2.36	2.20	2.20	0.06	0.06	0.06	0.06	0.00	0.00	0.00	-6.78
Iran	0.08	0.08	0.08	0.08	1.16	1.16	1.10	1.10	0.09	0.09	0.09	0.09	0.00	0.00	-0.01	-5.38
Australia	0.06	0.28	0.41	0.48	3.12	3.06	2.86	2.78	0.19	0.84	1.17	1.32	0.15	12.89	0.48	57.19
European Union	0.35	0.34	0.32	0.32	1.81	1.58	1.78	1.78	0.64	0.54	0.58	0.57	0.00	-0.52	0.04	6.89
Africa																
Burkina Faso	0.58	0.56	0.59	0.66	0.42	0.46	0.44	0.43	0.24	0.25	0.26	0.28	0.02	8.02	0.03	11.86
Mali	0.74	0.17	0.70	0.80	0.52	0.49	0.52	0.52	0.38	0.08	0.37	0.42	0.05	14.25	0.34	414.81
Cameroon	0.25	0.25	0.25	0.25	1.29	1.28	1.20	1.20	0.32	0.32	0.30	0.30	0.00	0.00	-0.02	-6.25
Cote d'Ivoire	0.41	0.45	0.45	0.46	0.66	0.61	0.61	0.61	0.27	0.27	0.27	0.28	0.01	2.55	0.01	4.07
Benin	0.67	0.62	0.65	0.65	0.71	0.78	0.71	0.71	0.47	0.48	0.46	0.46	0.00	0.00	-0.02	-3.34
Tanzania	0.60	0.45	0.55	0.60	0.43	0.20	0.40	0.44	0.26	0.09	0.22	0.26	0.04	19.18	0.17	186.81
Egypt	0.10	0.07	0.09	0.10	0.92	1.00	1.01	1.00	0.09	0.07	0.09	0.10	0.01	9.89	0.04	53.85
Nigeria	0.15	0.27	0.27	0.27	0.57	0.56	0.56	0.56	0.09	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Uganda	0.09	0.10	0.10	0.10	1.67	1.40	1.40	1.40	0.15	0.14	0.14	0.14	0.00	0.00	0.00	0.00
Zimbabwe	0.18	0.24	0.21	0.21	0.40	0.55	0.36	0.36	0.07	0.13	0.08	0.08	0.00	0.00	-0.06	-42.86
Sudan	0.20	0.20	0.20	0.20	1.53	1.41	1.41	1.41	0.31	0.28	0.28	0.28	0.00	0.00	0.00	0.00
Mexico	0.23	0.15	0.15	0.15	2.37	2.40	2.33	2.33	0.53	0.35	0.35	0.35	0.00	0.00	0.00	0.57
Burma	0.25	0.24	0.25	0.25	1.22	1.17	1.18	1.18	0.30	0.28	0.29	0.29	0.00	0.00	0.01	3.57
Others	0.74	0.66	0.76	0.73	0.80	0.85	0.72	0.78	0.59	0.56	0.55	0.57	0.02	4.20	0.01	1.60

World and Selected Countries and Regions

Table 13 Peanut Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	28.02	29.68	29.12	29.41	1.73	1.67	1.70	1.70	48.41	49.43	49.54	50.01	0.48	0.96	0.58	1.17
United States	0.56	0.65	0.65	0.64	4.41	4.25	4.54	4.69	2.48	2.78	2.93	3.01	0.08	2.63	0.23	8.20
Total Foreign	27.46	29.03	28.47	28.77	1.67	1.61	1.64	1.63	45.93	46.65	46.60	47.00	0.40	0.86	0.35	0.75
China	4.63	4.75	4.75	4.75	3.78	3.79	3.83	3.83	17.52	17.99	18.20	18.20	0.00	0.00	0.21	1.15
Africa																
Nigeria	3.13	3.25	3.20	3.50	1.51	1.37	1.38	1.37	4.72	4.45	4.40	4.80	0.40	9.09	0.35	7.87
Sudan	3.13	3.00	3.00	3.00	0.90	0.83	0.83	0.83	2.83	2.50	2.50	2.50	0.00	0.00	0.00	0.00
Senegal	1.11	1.22	1.20	1.20	1.28	1.31	1.29	1.29	1.42	1.60	1.55	1.55	0.00	0.00	-0.05	-3.13
Cameroon	0.43	0.43	0.43	0.43	1.40	1.40	1.40	1.40	0.60	0.60	0.60	0.60	0.00	0.00	0.00	0.00
Ghana	0.33	0.33	0.33	0.33	1.36	1.36	1.36	1.36	0.45	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Chad	0.79	0.80	0.80	0.80	1.14	1.13	1.13	1.13	0.90	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Malawi	0.40	0.40	0.40	0.40	0.88	0.88	0.88	0.88	0.35	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Congo (Kinshasa)	0.50	0.50	0.50	0.50	0.92	0.90	0.90	0.90	0.46	0.45	0.45	0.45	0.00	0.00	0.00	0.00
Niger	0.90	0.92	0.92	0.92	0.60	0.60	0.60	0.60	0.54	0.55	0.55	0.55	0.00	0.00	0.00	0.00
Mali	0.45	0.43	0.43	0.43	0.82	1.00	1.00	1.00	0.37	0.43	0.43	0.43	0.00	0.00	0.00	0.00
Uganda	0.43	0.43	0.43	0.43	0.71	0.71	0.71	0.71	0.30	0.30	0.30	0.30	0.00	0.00	0.00	0.00
Burkina Faso	0.49	0.49	0.50	0.50	0.81	0.82	0.80	0.80	0.40	0.40	0.40	0.40	0.00	0.00	0.00	0.00
Guinea	0.91	0.90	0.90	0.90	1.05	1.00	1.00	1.00	0.96	0.90	0.90	0.90	0.00	0.00	0.00	0.00
Egypt	0.06	0.06	0.06	0.06	3.20	3.20	3.20	3.20	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Central African Republic	0.10	0.10	0.10	0.10	1.50	1.50	1.50	1.50	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
South Africa	0.04	0.04	0.04	0.04	1.76	2.00	2.00	2.00	0.07	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Mozambique	0.38	0.38	0.38	0.38	0.34	0.34	0.34	0.34	0.13	0.13	0.13	0.13	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.15	0.15	0.15	0.15	1.45	1.45	1.45	1.45	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.00
Benin	0.19	0.19	0.19	0.19	0.92	0.92	0.92	0.92	0.18	0.18	0.18	0.18	0.00	0.00	0.00	0.00
South Asia																
India	4.83	6.00	5.50	5.50	1.30	1.12	1.15	1.15	6.26	6.70	6.30	6.30	0.00	0.00	-0.40	-5.97
Pakistan	0.09	0.10	0.10	0.10	0.98	0.92	0.92	0.92	0.09	0.09	0.09	0.09	0.00	0.00	0.00	0.00
Southeast Asia																
Indonesia	0.55	0.55	0.54	0.54	1.80	1.78	1.78	1.78	0.99	0.97	0.96	0.96	0.00	0.00	-0.01	-1.03
Burma	0.89	1.06	1.06	1.06	1.55	1.48	1.51	1.51	1.38	1.56	1.60	1.60	0.00	0.00	0.04	2.43
Vietnam	0.17	0.17	0.16	0.16	2.50	2.50	2.50	2.50	0.43	0.41	0.40	0.40	0.00	0.00	-0.01	-3.15
Thailand	0.02	0.02	0.02	0.02	1.67	1.67	1.67	1.67	0.04	0.04	0.04	0.04	0.00	0.00	0.00	0.00
South America																
Argentina	0.37	0.36	0.35	0.35	3.50	3.47	4.00	4.00	1.29	1.25	1.40	1.40	0.00	0.00	0.15	12.00
Brazil	0.16	0.17	0.18	0.18	3.93	3.88	3.89	3.89	0.63	0.64	0.70	0.70	0.00	0.00	0.06	9.38
Mexico	0.05	0.06	0.05	0.05	1.74	1.73	1.74	1.74	0.08	0.10	0.09	0.09	0.00	0.00	-0.01	-9.80
Others	1.80	1.80	1.81	1.81	1.12	1.15	1.16	1.16	2.00	2.07	2.10	2.10	0.00	0.00	0.03	1.45

World and Selected Countries and Regions

Table 14 Sunflowerseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	26.36	26.96	28.07	28.22	2.08	1.84	2.03	2.02	54.75	49.55	56.99	56.94	-0.06	-0.10	7.39	14.92
United States	0.51	0.67	0.53	0.53	1.75	2.01	1.86	1.74	0.89	1.35	0.99	0.93	-0.06	-6.09	-0.43	-31.56
Total Foreign	25.85	26.29	27.54	27.69	2.08	1.83	2.03	2.02	53.87	48.19	56.01	56.01	0.00	0.01	7.82	16.22
Former Soviet Union - 12																
Russia	8.36	8.35	9.50	9.30	1.83	1.59	1.74	1.67	15.31	13.27	16.50	15.50	-1.00	-6.06	2.23	16.81
Ukraine	6.40	7.00	6.90	7.00	2.58	2.01	2.42	2.50	16.50	14.10	16.70	17.50	0.80	4.79	3.40	24.11
Kazakhstan	0.82	0.69	0.70	0.92	1.03	1.23	1.29	1.20	0.84	0.84	0.90	1.10	0.20	22.22	0.26	30.33
European Union	4.32	4.35	4.40	4.41	2.19	2.03	2.27	2.27	9.44	8.85	10.00	10.00	0.00	0.00	1.15	12.99
South America																
Argentina	1.53	1.38	1.60	1.60	2.11	2.11	2.13	2.13	3.24	2.90	3.40	3.40	0.00	0.00	0.50	17.24
Uruguay	0.06	0.07	0.07	0.07	1.67	1.69	1.69	1.69	0.10	0.11	0.12	0.12	0.00	0.00	0.01	4.55
Bolivia	0.14	0.13	0.13	0.13	1.19	1.20	1.30	1.30	0.16	0.15	0.16	0.16	0.00	0.00	0.01	9.33
Brazil	0.05	0.03	0.03	0.03	1.60	1.61	1.63	1.63	0.08	0.05	0.05	0.05	0.00	0.00	0.00	-2.00
Paraguay	0.03	0.03	0.03	0.03	1.39	1.53	1.55	1.55	0.04	0.05	0.05	0.05	0.00	0.00	0.00	4.35
China	1.25	1.25	1.10	1.10	2.60	2.64	2.64	2.64	3.25	3.30	2.90	2.90	0.00	0.00	-0.40	-12.12
South Asia																
India	0.23	0.25	0.25	0.25	0.61	0.76	0.75	0.75	0.14	0.19	0.19	0.19	0.00	0.00	0.00	1.62
Pakistan	0.14	0.15	0.15	0.15	1.04	1.07	1.10	1.10	0.15	0.16	0.17	0.17	0.00	0.00	0.01	3.13
Middle East																
Turkey	0.73	0.72	0.76	0.76	2.40	2.17	2.38	2.38	1.75	1.56	1.80	1.80	0.00	0.00	0.24	15.38
Iran	0.04	0.04	0.04	0.04	1.08	1.08	1.00	1.00	0.04	0.04	0.04	0.04	0.00	0.00	0.00	2.33
Israel	0.00	0.00	0.00	0.00	5.00	9.00	7.00	7.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	-22.22
Africa																
Egypt	0.01	0.01	0.01	0.01	2.38	2.38	2.38	2.38	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Morocco	0.02	0.02	0.02	0.02	1.32	1.25	1.25	1.25	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
South Africa	0.50	0.48	0.55	0.55	1.58	1.50	1.56	1.56	0.79	0.72	0.85	0.85	0.00	0.00	0.13	18.06
Burma	0.60	0.60	0.60	0.60	0.65	0.65	0.65	0.65	0.39	0.39	0.39	0.39	0.00	0.00	0.00	0.00
Canada	0.03	0.05	0.03	0.03	2.17	2.24	2.17	1.83	0.06	0.10	0.07	0.06	-0.01	-15.38	-0.05	-45.54
Australia	0.01	0.02	0.02	0.02	1.22	1.50	1.31	1.31	0.01	0.03	0.02	0.02	0.00	0.00	-0.01	-22.22
Others	0.60	0.70	0.67	0.68	2.55	1.90	2.48	2.45	1.54	1.34	1.66	1.67	0.01	0.78	0.34	25.17

World and Selected Countries and Regions

Table 15 Rapeseed Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Metric tons per hectare)				Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MMT	Percent	From last year MMT	Percent
World	34.86	36.11	37.46	37.15	1.98	1.99	1.98	1.88	69.08	71.81	74.14	69.97	-4.17	-5.62	-1.84	-2.56
United States	0.78	0.73	0.80	0.80	2.00	2.16	1.69	1.69	1.55	1.58	1.34	1.34	0.00	0.00	-0.23	-14.72
Total Foreign	34.08	35.38	36.66	36.35	1.98	1.98	1.99	1.89	67.52	70.23	72.79	68.63	-4.17	-5.72	-1.61	-2.29
European Union	5.08	5.17	5.20	5.23	3.00	3.15	3.27	3.25	15.24	16.25	17.00	17.00	0.00	0.00	0.75	4.63
United Kingdom	0.50	0.38	0.32	0.32	3.38	2.77	3.41	3.41	1.68	1.05	1.08	1.08	0.00	0.00	0.03	2.38
Switzerland	0.02	0.02	0.02	0.02	3.14	3.14	3.14	3.14	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Canada	8.46	8.32	9.00	8.70	2.32	2.28	2.24	1.84	19.61	19.00	20.20	16.00	-4.20	-20.79	-3.00	-15.79
China	6.58	6.80	6.80	6.80	2.05	2.06	2.06	2.06	13.49	14.00	14.00	14.00	0.00	0.00	0.00	0.00
South Asia																
India	7.10	8.20	8.20	8.20	1.04	1.04	1.04	1.04	7.40	8.50	8.50	8.50	0.00	0.00	0.00	0.00
Pakistan	0.40	0.45	0.45	0.45	1.20	1.02	1.03	1.03	0.48	0.46	0.47	0.47	0.00	0.00	0.01	1.09
Bangladesh	0.25	0.25	0.25	0.25	0.92	0.92	0.92	0.92	0.23	0.23	0.23	0.23	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Russia	1.42	1.45	1.50	1.60	1.44	1.77	1.63	1.72	2.04	2.57	2.45	2.75	0.30	12.24	0.18	7.13
Ukraine	1.34	1.19	1.08	1.08	2.59	2.31	2.88	2.70	3.47	2.75	3.10	2.90	-0.20	-6.45	0.15	5.45
Belarus	0.34	0.35	0.32	0.32	1.68	1.57	1.59	1.59	0.58	0.55	0.50	0.50	0.00	0.00	-0.05	-9.09
Kazakhstan	0.27	0.12	0.25	0.11	0.90	1.23	1.10	1.00	0.24	0.15	0.28	0.11	-0.17	-60.00	-0.04	-28.10
Australia	2.03	2.40	3.00	3.00	1.13	1.67	1.43	1.47	2.30	4.00	4.30	4.40	0.10	2.33	0.40	10.00
South America																
Chile	0.04	0.04	0.04	0.04	4.05	4.00	4.00	4.00	0.15	0.15	0.14	0.14	0.00	0.00	-0.01	-5.41
Paraguay	0.04	0.05	0.04	0.04	1.71	1.41	1.45	1.45	0.06	0.07	0.06	0.06	0.00	0.00	0.00	-1.54
Ethiopia	0.02	0.03	0.03	0.03	1.83	1.80	1.80	1.80	0.04	0.05	0.05	0.05	0.00	0.00	0.00	0.00
Others	0.20	0.17	0.18	0.18	2.30	2.28	2.10	2.10	0.45	0.40	0.38	0.38	0.00	0.00	-0.02	-4.79

World and Selected Countries and Regions

Table 16 Copra, Palm Kernel, and Palm Oil Production

Country / Region	Production (Million metric tons)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month		From last year	
	MMT	Percent	MMT	Percent				
Oilseed, Copra								
Philippines	2.50	2.40	2.60	2.60	0.00	0.00	0.20	8.33
Indonesia	1.66	1.67	1.68	1.68	0.00	0.00	0.01	0.60
India	0.75	0.75	0.79	0.79	0.00	0.00	0.04	5.33
Vietnam	0.28	0.28	0.29	0.29	0.00	0.00	0.01	3.57
Papua New Guinea	0.08	0.08	0.08	0.08	0.00	0.00	0.00	0.00
Thailand	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Sri Lanka	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00
Mexico	0.04	0.04	0.20	0.04	-0.16	-80.00	0.00	0.00
Solomon Islands	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Cote d'Ivoire	0.03	0.03	0.03	0.03	0.00	0.00	0.00	0.00
World	5.66	5.56	5.98	5.82	-0.16	-2.68	0.26	4.68
Oilseed, Palm Kernel								
Indonesia	11.25	11.46	11.70	11.70	0.00	0.00	0.24	2.09
Malaysia	4.75	4.35	4.80	4.80	0.00	0.00	0.45	10.34
Nigeria	0.88	0.82	0.73	0.90	0.17	23.29	0.08	9.76
Thailand	0.75	0.80	0.85	0.85	0.00	0.00	0.05	6.25
Colombia	0.30	0.29	0.30	0.30	0.00	0.00	0.01	3.45
Guatemala	0.17	0.17	0.18	0.18	0.00	0.00	0.01	5.88
Papua New Guinea	0.16	0.16	0.16	0.16	0.00	0.00	0.00	0.00
Cameroon	0.15	0.15	0.15	0.15	0.00	0.00	0.00	0.00
Brazil	0.14	0.14	0.15	0.15	0.00	0.00	0.00	0.00
Ecuador	0.11	0.13	0.12	0.12	0.00	0.00	-0.01	-7.69
World	19.29	19.06	19.76	19.93	0.17	0.86	0.87	4.56
Oil, Palm								
Indonesia	42.50	43.50	44.50	44.50	0.00	0.00	1.00	2.30
Malaysia	19.26	17.80	19.70	19.70	0.00	0.00	1.90	10.67
Thailand	2.65	2.85	3.12	3.12	0.00	0.00	0.28	9.86
Colombia	1.51	1.56	1.65	1.65	0.00	0.00	0.09	5.77
Nigeria	1.14	1.28	1.28	1.40	0.12	9.37	0.13	10.24
Guatemala	0.86	0.87	0.88	0.88	0.00	0.00	0.02	2.33
Papua New Guinea	0.56	0.56	0.57	0.57	0.00	0.00	0.00	0.00
Brazil	0.54	0.55	0.55	0.55	0.00	0.00	0.00	0.00
Ecuador	0.46	0.54	0.55	0.55	0.00	0.00	0.01	1.85
Cote d'Ivoire	0.52	0.52	0.52	0.52	0.00	0.00	0.00	0.00
World	72.95	72.91	76.40	76.52	0.12	0.16	3.61	4.95

World and Selected Countries and Regions

Table 17 Cotton Area, Yield, and Production

Country / Region	Area (Million hectares)				Yield (Kilograms per hectare)				Production (Million 480 lb. bales)				Change in Production			
	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	Prel. 2019/20	2020/21	2021/22 Proj. Jul	Aug	From last month MBales	Percent	From last year MBales	Percent
World	34.85	31.44	33.35	33.30	758	779	779	777	121.40	112.42	119.39	118.84	-0.55	-0.46	6.42	5.71
United States	4.65	3.35	4.25	4.19	932	950	912	897	19.91	14.61	17.80	17.26	-0.54	-3.01	2.66	18.18
Total Foreign	30.20	28.09	29.10	29.11	732	758	760	760	101.49	97.81	101.59	101.58	-0.01	-0.01	3.76	3.85
South Asia																
India	13.50	13.00	13.00	12.90	464	474	486	489	28.80	28.30	29.00	29.00	0.00	0.00	0.70	2.47
Pakistan	2.45	2.20	2.00	2.00	551	445	544	544	6.20	4.50	5.00	5.00	0.00	0.00	0.50	11.11
China	3.45	3.25	3.10	3.10	1,720	1,976	1,879	1,879	27.25	29.50	26.75	26.75	0.00	0.00	-2.75	-9.32
South America																
Brazil	1.67	1.37	1.60	1.50	1,802	1,708	1,803	1,814	13.78	10.75	13.25	12.50	-0.75	-5.66	1.75	16.28
Argentina	0.42	0.44	0.42	0.42	682	671	700	700	1.30	1.34	1.35	1.35	0.00	0.00	0.01	0.75
Paraguay	0.01	0.01	0.01	0.01	416	416	416	416	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
Africa																
Burkina Faso	0.58	0.56	0.59	0.66	330	358	351	338	0.88	0.92	0.95	1.03	0.08	7.89	0.11	12.02
Mali	0.74	0.17	0.70	0.80	400	376	401	401	1.35	0.29	1.29	1.48	0.19	14.34	1.19	417.54
Cote d'Ivoire	0.41	0.45	0.45	0.46	528	494	496	497	0.99	1.01	1.03	1.05	0.03	2.44	0.04	3.96
Benin	0.67	0.62	0.65	0.65	467	513	469	469	1.43	1.45	1.40	1.40	0.00	0.00	-0.05	-3.45
Egypt	0.10	0.07	0.09	0.10	664	720	726	718	0.31	0.22	0.30	0.33	0.03	10.00	0.12	53.49
Cameroon	0.25	0.25	0.25	0.25	562	557	523	523	0.65	0.64	0.60	0.60	0.00	0.00	-0.04	-6.25
Tanzania	0.60	0.45	0.55	0.60	216	102	198	218	0.60	0.21	0.50	0.60	0.10	20.00	0.39	185.71
Nigeria	0.15	0.27	0.27	0.27	290	282	282	282	0.20	0.35	0.35	0.35	0.00	0.00	0.00	0.00
Zimbabwe	0.18	0.24	0.21	0.21	230	318	207	207	0.19	0.35	0.20	0.20	0.00	0.00	-0.15	-42.86
Ethiopia	0.08	0.08	0.08	0.08	680	637	637	637	0.25	0.24	0.24	0.24	0.00	0.00	0.00	0.00
Former Soviet Union - 12																
Uzbekistan	1.01	0.98	0.98	0.98	754	782	755	711	3.50	3.50	3.40	3.20	-0.20	-5.88	-0.30	-8.57
Turkmenistan	0.55	0.55	0.55	0.55	368	368	356	356	0.92	0.92	0.90	0.90	0.00	0.00	-0.02	-2.17
Tajikistan	0.18	0.16	0.17	0.17	708	680	640	640	0.59	0.50	0.50	0.50	0.00	0.00	0.00	0.00
Kazakhstan	0.13	0.11	0.12	0.12	627	534	521	502	0.36	0.27	0.28	0.27	-0.01	-3.64	-0.01	-1.85
Middle East																
Turkey	0.57	0.35	0.45	0.45	1,318	1,804	1,645	1,645	3.45	2.90	3.40	3.40	0.00	0.00	0.50	17.24
Syria	0.03	0.03	0.03	0.03	1,219	1,219	1,132	1,132	0.14	0.14	0.13	0.13	0.00	0.00	-0.01	-7.14
Iran	0.08	0.08	0.08	0.08	748	748	708	708	0.28	0.28	0.26	0.26	0.00	0.00	-0.02	-5.45
Australia	0.06	0.28	0.41	0.48	2,268	2,217	2,071	2,017	0.63	2.80	3.90	4.40	0.50	12.82	1.60	57.14
Mexico	0.23	0.15	0.15	0.15	1,519	1,532	1,524	1,524	1.57	1.02	1.05	1.05	0.00	0.00	0.03	2.94
Burma	0.25	0.24	0.25	0.25	641	635	644	644	0.72	0.70	0.73	0.73	0.00	0.00	0.03	3.57
Others	1.90	1.78	1.95	1.86	591	576	537	570	5.16	4.71	4.82	4.86	0.04	0.73	0.14	3.01

World and Selected Countries and Regions

TABLE 18

The table below presents a record of the August projection and the final Estimate. Using world wheat production as an example, the "root mean square error" means that chances are 2 out of 3 that the current forecast will not be above or below the final estimate by more than 2.2 percent. Chances are 9 out of 10 (90% confidence level) that the difference will not exceed 3.8 percent. The average difference between the August projection and the final estimate is 10.6 million tons, ranging from 0.2 million to 32.1 million tons. The August projection has been below the estimate 27 times and above 13 times.

RELIABILITY OF PRODUCTION PROJECTIONS 1/

COMMODITY AND REGION	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				Years	
			Average	Smallest	Largest	Years		
						Below final	Above final	
			Percent				---Million metric tons---	
WHEAT								
World	2.2	3.8	10.6	0.2	32.1	27	13	
U.S.	2.3	3.9	1.1	0.0	4.2	16	24	
Foreign	2.5	4.3	10.4	0.6	31.1	27	13	
COARSE GRAINS 2/								
World	2.4	4.1	18.8	0.4	53.7	30	10	
U.S.	6.1	10.3	10.0	0.0	31.4	24	16	
Foreign	2.5	4.2	14.9	0.7	58.4	27	13	
RICE (Milled)								
World	2.3	3.9	6.4	0.1	24.4	26	14	
U.S.	5.6	9.4	0.3	0.0	0.7	21	19	
Foreign	2.3	3.9	6.4	0.4	24.7	27	13	
SOYBEANS								
World	4.6	7.8	7.3	0.3	26.7	22	18	
U.S.	6.1	10.3	3.4	0.0	11.1	21	18	
Foreign	7.4	12.6	6.5	1.1	26.4	20	20	
COTTON			---Million 480-lb. bales---					
World	5.0	8.4	3.5	0.0	13.2	21	18	
U.S.	8.5	14.5	1.1	0.0	3.9	19	20	
Foreign	5.3	9.0	3.0	0.0	10.9	21	18	
UNITED STATES			-----Million bushels-----					
<i>CORN</i>	6.5	11.1	375	1	1,096	23	17	
<i>SORGHUM</i>	7.8	13.3	31	1	108	21	19	
<i>BARLEY</i>	6.1	10.3	15	1	67	14	26	
<i>OATS</i>	9.9	16.8	13	0	57	7	32	

1/ Marketing years 1981/82 through 2020/21 for grains, soybeans (U.S. only), and cotton. Final for grains, soybeans, and cotton is defined as the first November estimate following the marketing year for 1981/82 through 2019/20, and for 2020/21 the last month's estimate.

2/ Includes corn, sorghum, barley, oats, rye, millet, and mixed grain

August 2021

Global Market Analysis, FAS, USDA